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Perfection Brand "Home Defense Garden"

With food playing such a vital part in our National Defense program, we are prompted to make this sensational vegetable seed offer and have priced it within reach of all. Due to the low price we cannot make any changes in the varieties and cannot reduce the price regardless of the quantities ordered.

½ lb. **Beans,** Stringless Green Pod	$ .15
½ lb. **Beans,** Kentucky Wonder Pole	.15
½ lb. **Beans,** Henderson Bush Lima	.15
1 lb. **Peas,** Alaska	.25
1 oz. **Beets,** Early Blood Turnip	.20
½ oz., **Radish,** Early Scarlet Globe	.05
½ oz., **Radish,** Icicle	.05
1 pkt. **Carrots,** Danver's Half Long	.10
1 pkt. **Swiss Chard**	.10
1 pkt. **Mustard,** So. Giant Curled	.05
1 pkt., **Okra,** Dwarf Green Long Pod	.05
1 pkt. **Cucumber,** Imp. Long Green	.05
½ oz. **Lettuce,** Early Curled Simpson	.10
1 pkt. **Spinach,** Bloomsdale	.05
1 oz. **Turnip,** Purple Top White Globe	.10
1 pkt. **Sweet Corn,** Golden Bantam	.10
1 pkt. **Squash,** Early White Bush	.05
Total Retail Value of this Offer	**$1.75**

Bargain Offer

For Only

$1.00 Postpaid

Binding-Stevens Seed Company, Tulsa, Okla.

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Zinnias — the Most Colorful Flower of Them All — Plant Perfection Brand for a Riot of Color

Our Zinnia Seed are grown by Bodger in California, the originator of the Dahlia flowered and other types of Zinnias. No other annual can take the place of Zinnias, with their brilliant flowers of massive size. They have become a general favorite. Zinnias withstand lots of heat, thriving best in a sunny location. For bedding, for borders and for cut flowers, they furnish a wealth of blooms from early summer till late in the fall.

Zinnias—Fantasy

ZINNIA FANTASY—FINEST MIXED—Fantasy is the most fascinating new Zinnia type introduced to the flower world in many years. The informal, shaggy appearing flowers are graceful and interesting, quite distinct from the stiff formal Zinnias to which we are accustomed. The rounded medium-sized flowers are composed of a mass of shaggy ray-like petals which give a delicate, refined appearance. The color range includes the brightest shades of Reds, Yellow and Orange, Pinks and White. **Pkt., 10c, postpaid.**

FANTASY STAR DUST—Star Dust, the lovely golden yellow variety in this popular type, has the characteristic informal, shaggy petaled, medium sized flowers, on plants 2½ to 3 feet in height, with stems of good length for cutting. The plants are free blooming, making a fine show of color in the garden. Blooms in 45 to 50 days. **Pkt., 10c, postpaid.**

ZINNIA FANTASY WILDFIRE—Wildfire adds a distinct note of color and cheerfulness to the garden and will enliven any home when used in flower arrangements. The plants are neat in habit, strong growing and very free blooming, 2½ to 3 feet in height, a rich dazzling scarlet. Cultivation and watering is important, use the trench method for several hours; cultivate after each irrigation. Water weekly. **Pkt., 10c, postpaid.**

WHITE LIGHT—Pure White. **Pkt., 10c; ¼ oz., 30c, postpaid.**

ROSALIE—Intense rose. **Pkt., 10c; ¼ oz. 30c, postpaid.**

Zinnias—Dahlia Flowered and California Giants

DAHLIA FLOWERED ZINNIAS—MIXED—In formation the broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other. The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. **Mixed colors, pkt., 10c; ¼ oz., 25c; oz., 80c.**

GIANT DOUBLE DAHLIA FLOWERED ZINNIAS IN SEPARATE COLORS.

Canary Bird—Rich canary yellow.
Crimson Monarch—Deep crimson.
Dream—Deep rosy lavender.
Eldorado—Salmon apricot.
Exquisite—Light rose, deep center.
Luminosa—Bright deep pink.
Meteor—Rich, deep red, darkest of all reds.
Old Gold—Deep and lighter shades of old gold.
Polar Bear—Large creamy white.
Purple Prince—Deep purple.
Will Rogers—Loveliest and most brilliant scarlet red.
Any of the above, pkt., 10c; ¼ oz., 20c, postpaid.

ZINNIAS, California Giants—Mixed colors. **Pkt., 10c; ¼ oz., 25c; oz., 80c.**

Zinnias—Dahlia Flowered

Zinnia Fantasy—Red-Wildfire . . . Yellow-Stardust

Zinnias—Lilliput or Dwarf

BLACK RUBY—A new color in Lilliput Zinnias—rich, blackish maroon. Flowers are double, 1 to 1½ inches in diameter. **Pkt., 10c; ¼ oz., 25c.**

LILLIPUT (Pastel Mixture)—Because of the neat, compact, symmetrical habit of the flowers together with their small size and stem length, they are particularly fine for cutting for bouquets in the house. In the pastel mixture there are very lovely soft shades of apricot, peach, creamy, yellow, shell pink, delicate salmon, light rose and orchid. The plants are 12 to 15 inches in height, neat in habit, compact growing and very free flowering. Produce flowers in about 45 days. **Pkt., 10c, postpaid.**

CANARY YELLOW—Yellow.
CRIMSON GLOW—Crimson.
GOLDEN GEM—Golden Orange.
ROSEBUD—Rose Pink.
WHITE GEM—Pure White.
Pkt., 10c; ¼ oz., 20c.

CUT-AND-COME-AGAIN ZINNIAS (Elegans Pumila Dwarf Double)—A semi-tall type of Zinnia; has become very popular. Produces an abundance of medium-sized, well rounded blooms on stems long enough for cutting. The compact bushes keep on blooming from mid-summer until frost, making an attractive display in beds or borders and yielding an abundance of long-keeping cut-flowers for house decorations. In an average soil the plants grow 18 inches tall. Mixed. **Pkt., 10c; ½ oz., 35c; oz., 60c.**

Separate Colors—Canary Yellow, Bright Scarlet and White. **Pkt., 10c; ¼ oz., 20c.**

ZINNIA—Tom Thumb Mixture—Tom Thumb is without exception the dwarfest Zinnia known. The plants are rounded and compact, 4 to 6 inches high, literally covered with well formed flowers of the Lilliput type. The color ranges include Red, Orange, Yellow, Pink, Rose and other pastel shades. During the hot dry summer months this is the ideal border plant, and is also adapted for window box and pot work. **Pkt., 20c.**

ZINNIAS—Gracillima—Red Riding Hood. Deep scarlet, miniature red flowers, 2 to 3 inches, free flowering. **Pkt., 10c; ¼ oz., 20c.**

LINEARIS—The most unusual and interesting of the new Zinnias is the little dwarf variety, Linearis. The flowers, which are single, are a lovely shade of golden orange, with a delicate lemon yellow stripe through each petal, while the center is a dark brown in the young flowers, turning golden orange. **Pkt., 20c, postpaid.**

ZINNIA—Mexican Hybrids, Double Mixed—The small flowered Mexican Zinnias have a charm all their own. The smaller flowers lend themselves to bedding and make a brilliant display. **Pkt., 20c.**

ZINNIAS—Sanvitalia Creeping—Masses of small Zinnia like, double blooms of deep golden yellow on spreading plants 6 inches tall. Bloom all summer and fall. Fine for edging and rockeries. **Pkt., 10c; ¼ oz., 30c.**

Other Zinnias

ZINNIA, CROWN OF GOLD—DESERT GOLD—Desert Gold is a variety of dual tone beauty comprising the light and deeper hues of gold, each petal overlaid at the base with deeper golden yellow. The plants are from two and a half to three feet in height, bearing a generous quantity of large, well formed flowers which are equally effective in daylight or under artificial lights. Those who appreciate the finest in Zinnias will welcome Desert Gold. **Pkt., 10c, postpaid.**

ZINNIA EARLY WONDER—MIXED—The plants are from 12 to 15 inches high with a profusion of medium-sized flowers and very little foliage. They are very early flowering and require but little space. Colors include many new colors of Orange, Reds, Lavender and Pinks. **Pkt., 15c.**

SCABIOUS FLOWERED MIXTURE—Among the oldest and most attractive Zinnia forms developed. The Scabosia Flowered type deserves to be more widely grown and better known than at present. **Pkt., 20c.**

NEW GIANT-CRESTED ZINNIA

Reproduced in natural color on back cover.

"Food Will Win the War and Write the Peace"

—Claude Raymon Wickard, Secretary of Agriculture.

Please do not misunderstand us, we are not preaching war hysteria. No, we are not even worried about our country meeting its food problems, but the fact remains that we are exporting greater quantities of foods every day, which naturally takes most of our surplus and we would not be surprised to see common varieties of vegetables selling at a much higher price.

These higher prices can be avoided, by you, if you will take the time to grow your own vegetables—they are easy to grow and it behooves each and every one of us to work every inch of spare ground into the production of food—you will enjoy gardening, and think of the satisfaction you will have in serving, on your own table, the vegetables grown by you. You will appreciate the savings, too.

We invite you to read every page of this catalog carefully and make your selections early—and don't forget, in these troubled times, flowers go a long way in making our surroundings more cheerful.

Suggestions for Ordering

A reading of the following will prove an aid to you and to us:

OUR PRICES—Including bags, boxes, and free cartage to the depot.

The prices quoted in this catalog include free delivery on packets, ounces, quarter pounds, pounds (except where otherwise stated). "By freight or express" means that transportation charges are paid by the customer.

EARLY ORDERS—Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stock.

HOW TO ORDER—Write your name, postoffice, State, and express office plainly with black ink on every order and every time you write us. Give plain express, mail, or freight directions. Where none are given, we route at buyer's risk.

MARKET GARDENERS and others who buy vegetable seed in bulk to the amount of $10.00 or more are requested to send their list of seeds wanted to us and let us make special quotations.

PLANT ORDERS—Orders for plants will be filled as early in the spring as we consider it safe to send them. If ordered for immediate shipment in severe weather, they will be sent at purchaser's risk.

USE ORDER SHEETS—The use of order sheets enclosed in this catalog is a great help to us in facilitating filling and shipment of orders. More will be sent on receipt of postal asking for same.

ABOUT WARRANTING SEEDS—It is impractical to guarantee seeds, as the best seeds will fail under improper treatment. Some may be sown in too dry ground or too wet, too deep, or too shallow. Some hardy seeds will stand cold weather and will grow where the soil is too cold for others and would cause them to decay. Insects may attack and destroy them. For these reasons we do not give warranty in any respect, and will not be responsible for the crop.

WE GIVE "J. & N." GREEN TRADING STAMPS

Premium List on Request

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Perfection Brand Tested Garden Seed

Every lot of Perfection Brand Seed is thoroughly tested for active, abundant, and vigorous life, so that only the most vital product is shipped. The exacting nature of these tests have won the confidence of thousands of Southwestern gardeners who plant Perfection Brand Seeds, and gladly recommend them to their neighbors and friends.

Asparagus

WASHINGTON—Rust-Resistant Asparagus. Practically free from rust and other diseases. Stalks are large and thick; dark green with a heavy overcast of rich purple. Has a long tight, pointed bud and does not branch out until well beyond the market height. Unsurpassed in size, yield, appearance and flavor. **Seed pkt., 10c; oz., 15c; ¼ lb., 35c.**

Asparagus Roots

For those who desire to raise asparagus, one of the earliest of the spring vegetables, we suggest the purchase of asparagus roots. These are ready during March, but to be sure of getting them you should reserve your stock now by sending us your order.

Our strong two-year-old roots will give the best results in the shortest time possible.

ROOTS—2-year-old, per dozen, 35c, postpaid; by freight or express, $1.50 per 100.

Garden Beans

SELECTED NORTHERN GROWN

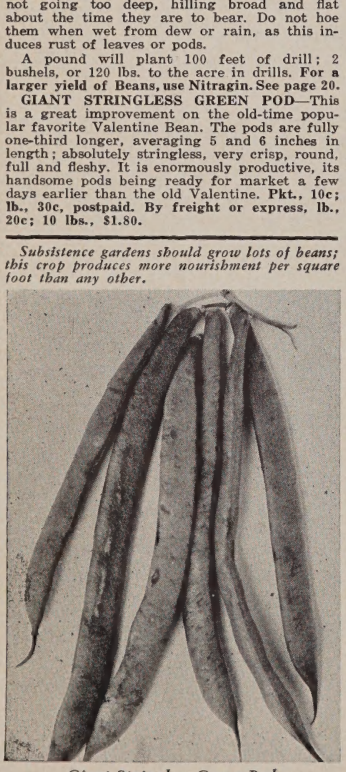
Given moisture, this crop can be planted in the South in succession until the middle of August. A good, sandy loam is the best soil for beans, but they will grow well in any soil of average richness.

The bush varieties should be planted 1½ inches deep in drills 18 inches or 2 feet apart, 2 inches apart in the drill. When the plants are well up, thin gradually to six to eight inches from each other, leaving the strongest plants as much as possible. The pole variety should be planted two or three beans in a hill, two feet apart each way. Give them clean cultivation, mellowing the soil about them, but not going too deep, hilling broad and flat about the time they are to bear. Do not hoe them when wet from dew or rain, as this induces rust of leaves or pods.

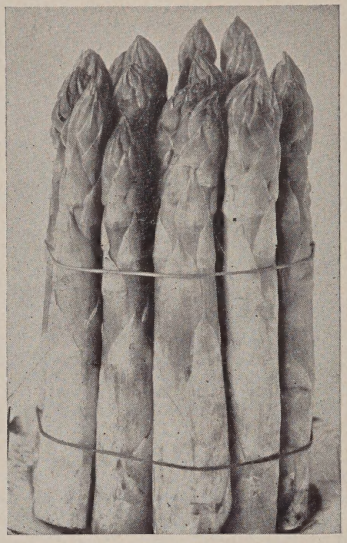
A pound will plant 100 feet of drill; 2 bushels, or 120 lbs. to the acre in drills. **For a larger yield of Beans, use Nitragin. See page 20.**

GIANT STRINGLESS GREEN POD—This is a great improvement on the old-time popular favorite Valentine Bean. The pods are fully one-third longer, averaging 5 and 6 inches in length; absolutely stringless, very crisp, round, full and fleshy. It is enormously productive, its handsome pods being ready for market a few days earlier than the old Valentine. **Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., $1.80.**

Subsistence gardens should grow lots of beans; this crop produces more nourishment per square foot than any other.



Giant Stringless Green Pod



Washington Asparagus

DWARF KENTUCKY WONDER—Pods measure 8 to 9 inches. Excellent quality; nearly straight, very fleshy, brittle and of fine texture, fiberless and stringless in all stages of growth. For a variety bearing such huge pods it is remarkably productive. Medium early. Plants are vigorous and of upright growth. **Pkt., 15c; lb., 60c, postpaid.**

TENNESSEE GREEN POD—This dwarf, early, intermediate snap bean is very popular in some sections of the South. The vines are large, somewhat spreading, and prolific. The pods are very long—very often 6 to 7 inches, flat, irregular in shape, bright but rather dark green, and of excellent quality. **Pkt., 10c; lb., 30c, postpaid. By express, lb., 20c; 10 lbs., $1.80.**

BURPEE'S STRINGLESS GREEN POD—Splendid for market and home garden. It is stringless in reality as well as name. It is an abundant cropper and the pods are thick, round, fleshy and nearly straight. Ready for picking in 45 days. **Lb., 35c, postpaid. By freight or express, lb., 20c; 10 lbs., $1.80.**

STRINGLESS RED VALENTINE—**Pkg., 10c;; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., $1.80.**

TENDERGREEN STRINGLESS GREEN POD—Exceptionally tender, entirely stringless, meaty pods that snap like icicles. The pods are 6 inches long, perfectly round. Makes in 54 days. **Pkt., 10c; lb., 30c, postpaid. By express, lb., 25c; 10 lbs., $2.00.**

WHITE NAVY BEANS—Pkg., 10c; lb., 20c, postpaid. By freight or express, lb., 15c; 10 lbs., $1.25.

EDIBLE SOY BEAN BANSEI—The beans are delicious when eaten green or dry, and are superior to navy beans for baking. The food value is very high because of the fat and protein content, and they are also an excellent source of Vitamins A, B and G. Bansei matures in about 95 days, highly drouth resistant, and very productive. Seed is bright green when young and yellow when mature. Plants grow about 24 inches high and require no support. Cook and serve similar to Lima beans. **Pkt., 10c; 1 lb., 25c, postpaid.**

Pole or Running Beans

A word about Pole Beans. Many growers hesitate to plant pole beans because of the scarcity of poles. This objection is easily overcome and the greater profit in growing the pole varieties should be sufficient reason for going to a little extra care. Plaster laths will answer the purpose and cost very little.

KENTUCKY WONDER WAX—This remarkable vigorous-growing, wax-podded pole bean is very similar to the green-podded Kentucky Wonder, but the very long pods are a little broader, very fleshy, and quite stringless as snaps. **Pkt., 10c; lb., 35c, postpaid. By freight or express, per lb., 25c; 10 lbs., $2.25.**

IDEAL MARKET POLE BEAN—Ideal Market is the earliest pole bean we are acquainted with, being ready for the market with the dwarf varieties, and is one of the most productive. The long, nearly stringless, pulpy green pods are borne in immense clusters and are of delicious quality. **Pkt., 10c; lb., 35c, postpaid. By freight or express, lb., 25c; 10 lbs., $2.25.**

CUT SHORT or CORNFIELD—Green beans; resembling those of the Bush Valentine dry beans, red-speckled. **Pkt., 10c; lb., 30c, postpaid. By freight or express, 20c per lb.**

DUTCH CASEKNIFE—One of the earliest of the pole varieties; white seeds; used for snaps; good green or dry; a good winter sort, productive, and a good bean for planting among corn. **Pkt., 10c; lb., 30c, postpaid. By freight or express, 20c per lb.**

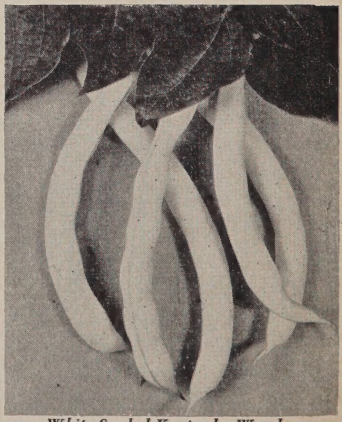
OCTOBER or HORTICULTURAL—A popular and productive variety for use as snaps or as shell beans. It is especially adapted for mountainous districts or where the season is short. **Per lb., 30c, postpaid. By freight or express, 20c per lb.**

KENTUCKY WONDER GREENPOD—Brittle, stringless, meaty, delicious flavor. The plants are vigorous climbers; pods are borne profusely in clusters; they average from 7 to 9 inches long; are of attractive green color; round and very brittle when young. **Pkt., 10c; lb., 30c, postpaid. By freight or express, 20c per lb.; 10 lbs., $1.80.**

WHITE CREASEBACK—Large, long pods, growing in clusters of from 6 to 12, of a silvery green, of the best quality of snaps. A good cornhill bean. **Pkt., 10c; lb., 30c, postpaid.**

MISSOURI WONDER—A late variety with 5-inch flat curved pod, color medium green. Meaty, stringy, good quality. Long bearing and productive. **Pkg., 10c; lb., 35c, postpaid.**

WHITE SEEDED KENTUCKY WONDER—A high yielding type of Kentucky Wonder, resistant to certain forms of rust. Pods are 8 inches in length, round, stringless, fleshy, light green. Seed slightly larger than brown seeded Kentucky Wonder. **Pkt., 10c; lb., 35c, postpaid.**



White Seeded Kentucky Wonder

Garden Beans

ROUND POD KIDNEY WAX—Especially fine for home gardens and canning. Plants of medium size, prolific. Pods 5½ to 6 inches, long; round, brittle, stringless, and of fine quality. **Pkg., 10c; lb., 35c, postpaid.**

PENCIL POD BLACK WAX—Rich yellow pods from 5 to 6 inches long; entirely stringless, very meaty and tender. **Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., $1.80.**

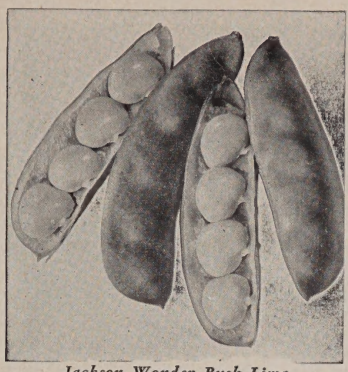
IMPROVED GOLDEN WAX—Very valuable rust-proof strain of the Golden Wax which stands drouth remarkably well. **Pkt., 10c; lb., 30c, postpaid. By express or freight, lb., 20c; 10 lbs., $1.80.**

Improved Golden Wax

Brussels Sprouts

Brussels Sprouts are a very delicate vegetable, and deserve a more general cultivation than they receive. The plant belongs to the cabbage family and should be grown and cultivated like miniature cabbages. Very hardy; improved by frost. An ounce will produce 2,000 plants.

DWARF IMPROVED—Bearing a small crop of small, solid, and tender heads. **Pkt., 5c; oz., 15c, postpaid.**



Jackson Wonder Bush Lima

Pole Lima Beans

CAROLINA or SIEVA POLE—(Small White Beans)—Vigorous variety; very early and productive. Pods are short, flat and curved; beans white, small and kidney-shaped. **Pkt., 10c; lb., 35c, postpaid. By freight or express, lb., 25c.**

KING OF THE GARDEN—(Large White Lima)—An improved strain of the large white, of more prolific character and with larger pods and beans. **Pkt., 10c; lb., 35c, postpaid. By freight or express, 35c per lb.**

SPECKLED POLE LIMA—The most prolific of the Pole Limas. Seeds are about the size of the Sieva, but are speckled white and brownish red. **Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 25c; 10 lbs., $2.00.**

If you want one peck (15 lbs.) or more Beans, write for prices.

GIANT SPECKLED POLE—Vine grows 7 to 9 feet tall, pods 5 to 5½ inches, 3 beans per pod, slightly curved, large-flat. Produces large seed of beautifully contrasted colors. Very prolific. **Lb., 40c, postpaid.**

Afton, Okla., Jan. 18, 1941
Binding-Stevens Seed Co.,
Dear Sirs:
Kindly send me your catalog of seeds for 1942 as I haven't moved too far away to think of you and your good seeds.
Thanking you,
C. A. Delancy.

Dwarf Lima Beans

Plant when ground is dry and weather is warm in rows 2 feet apart, dropping the beans 6 inches apart in the row, eye down, covering with 1 inch of soil. One pound will plant 100 hills.

ILLINOIS LARGE PODDED—This is a large-vined bush lima. The vines are very vigorous, and pods set freely even in hot weather. The pods are larger, more than 3½ inches in length and 1 inch in width, and are attractive when picked. The beans are large and flat. Vine growth is upright and the beans are held well off the ground. Matures about the same time as the Henderson Bush Lima but the beans are somewhat larger, running 800 to 900 per pound, compared to 1,150 to 1,250 of Henderson. **Pkt., 10c; lb., 35c, postpaid.**

BURPEE'S BUSH LIMA—The stout, erect bushes grow from 18 to 20 inches high and 2 to 3 feet in diameter. They are laden with large, luscious beans. **Pkt., 10c; lb., 35c, postpaid. By freight or express, lb., 25c.**

HENDERSON'S BUSH LIMA—This is the earliest variety, being fully two weeks ahead of any other sort in maturing. The beans are small and very fine for canning. **Pkt., 10c; lb., 30c. By express or freight, lb., 20c; 10 lbs., $1.75.**

JACKSON WONDER BUSH LIMAS—It is of true bush form, about 2 feet high, bearing greatest profusion of broad, flat pods, each having from 3 to 5 medium-sized flat, handsomely speckled beans, which cook quickly and are of superior flavor. **Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 20c; 10 lbs., $1.75.**

BABY POTATO—Grows 12 to 16 inches high, or like a sturdy Henderson Bush Lima in growth. It is early and prolific. Pods are large for baby lima; seeds are an attractive bright green in the green, or eating stage, and creamy white when dry. Adapted for produce markets and canning as well as home gardens. **Pkt., 10c; lb., 40c, postpaid.**

Beets are one of the most healthful of vegetables, containing more elements which the human system needs than almost any other.

Perfection Brand Delicious Beets

Beets grow in moderately light, sandy soil. For very early crops, sow in hot-beds and transplant the seedings as soon as the weather is warm enough into open ground; for regular crop, plant outside as soon as the ground is in good condition; plant in drills 12 to 15 inches apart and cover about 1 inch deep. When the seedings are 4 to 5 inches high, thin them out to stand 4 to 5 inches apart in the row. An ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre.

EARLY WONDER—A very early dark red beet similar to Crosby's Egyptian. Its earliness and deep color make it a favorite with the market gardeners. The taproots are small and the roots are of a desirable shape for bunching. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60, postpaid.**

DETROIT DARK RED—Very popular sort used extensively by market gardeners as well as private planters. It matures early, and the roots are of splendid shape and good color. The tops are small and upright-growing, which makes possible close planting. The roots are globular and smooth, the skin is dark blood red, the flesh red with lighter zones. The beets are very tender, firm and crisp and remain so for a long time. **Pkt., 5c; oz., 20c; ¼ lb., 60c; lb. $1.85, postpaid. By freight or express, $1.75 per lb.**

CROSBY'S EGYPTIAN—The market gardener's favorite. Fine, globe-shaped roots. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60, postpaid.**

ROOT CROPS FOR STOCK AND POULTRY
Mangel Wurzels are listed under Farm Seeds. see page 24 of this catalog.

Crosby's Egyptian

EARLY BLOOD TURNIP — Coming in at the same time as the small flat Egyptian, it is much larger and almost globe-shaped—a much better beet for every purpose. It is fine-grained, very tender, and of good, sweet flavor. The color of the flesh is a rich red, tinged with crimson. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.60, postpaid.**

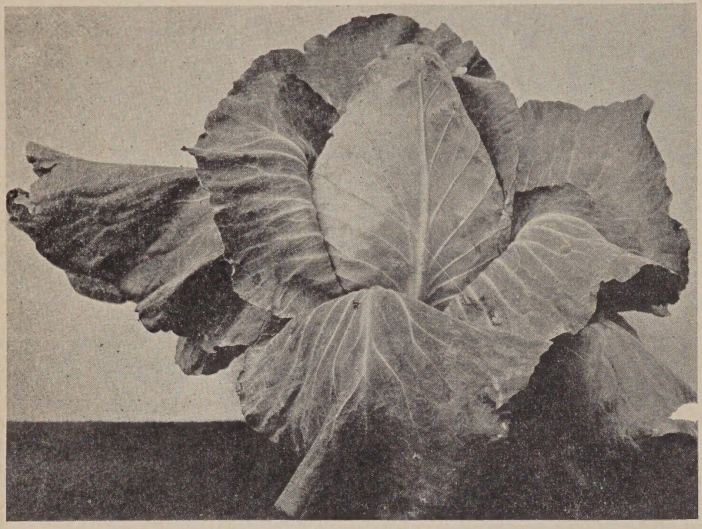
Swiss Chard or Spinach Beet

Swiss chard is the best "greens" follow-up for spinach, and will stand the hot weather without losing its crispness.

This delicious and useful vegetable should be in every garden and on every market stall. It is really two distinct vegetables. First the leafy part of the foliage is cooked and served the same as spinach, while the stalks are cooked and served with drawn butter, like tender asparagus. It grows about 2½ feet high. The stalks are thick and broad like rhubarb; the leaves are large and heavily crumpled, like Savoy Spinach. Crisp and tender, pleasing flavor. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40, postpaid.**

Perfection Brand Delicious Cabbage

Soil for Cabbage should be a rich heavy loam, with good drainage. Such a soil when supplied with complete fertilizers will produce excellent crops.



Charleston Wakefield

Extra Early Varieties

TRUE EARLY JERSEY WAKEFIELD—Small, cone-shaped head; matures in from 90 to 100 days after planting. **Pkt., 5c; oz., 15c; ¼ lb., 50c, postpaid.**

CHARLESTON WAKEFIELD—Selection from Early Jersey Wafefield, only it is about one week later than that popular variety, and grows larger heads. Very solid and of fine quality. **Pkt., 5c; oz., 15c; ¼ lb., 50c, postpaid.**

COPENHAGEN MARKET—The earliest large round-headed cabbage. Very popular with market gardeners. An extra early summer cabbage, matures fully as early as the Early Jersey Wakefield, but produces larger heads, often averaging 10 pounds or more. The heads are ball-shaped, mild and firm, with small core, and of splendid quality. Leaves are of light green color, tightly folded together, forming a very compact head. **Pkt., 10c; oz., 25c; ¼ lb., 90c.**

GOLDEN ACRE—Very early, of the Copenhagen type, flat head, but about eight days earlier than the Copenhagen. This extra earliness assures higher prices for the market gardener—and more tender, more crisp, and better flavored cabbage for the table. **Pkt., 10c; oz., 25c; ¼ lb., 90c, postpaid.**

Second Early Varieties

EARLY FLAT DUTCH—A selected strain; forming large flat heads, weighing at times 10 to 12 pounds. **Pkt., 5c; oz., 15c; ¼ lb., 50c, postpaid.**

ALL SEASONS—One of the best of its class. The heads are fine, solid and of good flavor. **Pkt., 5c; oz., 15c; ¼ lb., 50c, postpaid.**

Late Varieties

PREMIUM LATE FLAT DUTCH—Of good flavor and very tender; among the earliest of the winter cabbages. **Pkt., 5c; oz., 15c; ¼ lb., 50c.**

SUREHEAD—Strain of flat Dutch, remarkable for its heading qualities; keeps well and is good for shipping. The heads are of uniform size, firm and of good color. **Pkt., 5c; oz., 15c; ¼ lb., 50c, postpaid.**

MAMMOTH RED ROCK—The best red cabbage for pickling or table use. **Pkt., 10c; oz., 30c; ¼ lb., 75c, postpaid.**

PE-TSAI CHINESE OR "CELERY" CABBAGE—Pe-Tsai produces beautiful, crisp, celery-like heads that blanch easily and resemble a giant Cos lettuce. Sow seed in any good soil the first of August, making rows 24 to 36 inches apart and thinning to 15 inches apart in the row. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

Cauliflower

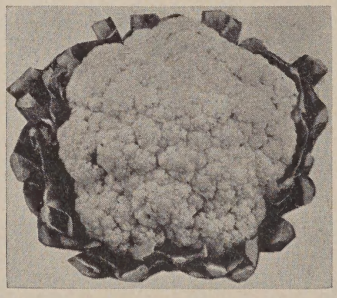
It requires a cool, moist season for its best growth, a constant supply of soil-moisture, and rich, loamy land, well fertilized. Cultivation is the same as cabbage. One ounce will produce from 800 to 1,000 plants.

EARLY SNOWBALL—Under favorable conditions every plant produces a magnificent white head of fine quality. **Pkt., 25c.**

Celery

Seed should be sown in February in hot-beds or in flat boxes filled with clean, mellow loam, with about one-eighth inch of fine soil or sand, pressing it down firmly. Keep the soil moist constantly. When plants are fairly out of the seed leaf, transplant into another box or bed, or thin out to 2 or 3 inches apart. Plant into the open ground by the last of May or the beginning of June. One ounce will sow 300 feet of drill.

GOLDEN SELF-BLANCHING—The plants are compact, semi-dwarf habit and form numerous stalks. They are heavily ribbed, of golden yellow color, very crisp and tender. **Pkt., 10c; oz., 40c.**



Cauliflower—Early Snowball

Perfection Brand Improved Carrots

SEED CROP VERY SHORT

Carrots grow best in rich, deep sandy loam, well pulverized and deeply cultivated. Sow in March or April, in drills 15 to 18 inches apart and about one-half inch deep, thinning out the lings to 4 inches in the row. One ounce will sow 100 feet of row; 3 or 4 pounds to the acre.

CHANTENAY—Red Cored 70 days. Fine grained flesh of a deep or reddish orange. The core is so small as to almost warrant the name coreless. **Pkt., 10c; oz., 40c; ¼ lb., $1.25, postpaid.**

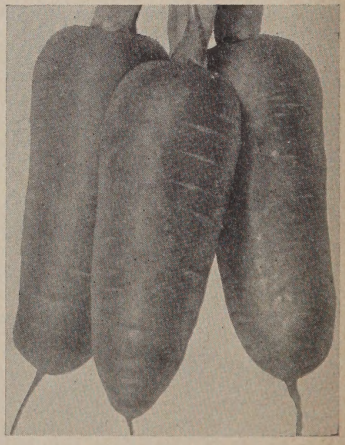
DANVERS HALF LONG—An excellent market variety of medium size. The roots are of a rich orange-red color, smooth, and very handsome. Produces a very large crop. **Pkt., 10c; oz., 40c; ¼ lb., $1.25, postpaid.**

IMPERATOR—74 days. A recent introduction for market garden use and long distance shipping. Tops medium length, strong. Roots 7 to 9 inches, sloping shoulders tapering to semi-blunt tip. Exterior smooth, color rich orange. Interior deep orange which extends to core. Good quality. **Pkt., 10c; oz., 40c; ¼ lb., $1.25, postpaid.**

EARLY CHANTENAY—A fine bunching carrot. One of the best early sorts, maturing between the Oxheart and Danvers. The carrots grow about 6 inches in length, stump-rooted, very smooth, deep red, fine-grained, sweet and sugary. Market gardeners should grow these for their main early crop. **Pkt., 5c; oz., 10c; ¼ lb., 30c, postpaid.**

OXHEART or GUERANDE—Of fine table qualities. It is the most desirable sort for growing in soils too hard and stiff for the longer varieties, as it does not grow over 6 inches long, and is easily pulled by hand. **Pkt., 5c; oz., 10c; ¼ lb., 25c, postpaid.**

Watch cookery columns for new ways to prepare vegetables. A new one is boiling globe rooted radishes. They taste like a mild flavored turnip.



Carrot—Danvers Half Long

Collards

GEORGIA—An old stand-by in the South. For winter greens it has no equal; not in the best condition until touched by frost. Sow in July or August, transplant in rows, setting them 2 feet apart. **Pkt., 5c; oz., 10c; ¼ lb., 25c, postpaid.**

Perfection Brand Egg Plant

Seed should be started in February, in boxes in the house. Always keep the ground warm and moist, and protect the young plants. Transplant into a rich, loamy soil when all danger of frost is past. One ounce will produce about 1,000 plants.

BLACK BEAUTY—Deep purplish black, smooth. When prepared for the table, it has a distinct and pleasant flavor. Plant grows 23 to 30 inches tall, erect, compact, leaves large, usually bears 4 to 6 fruit. Holds its color a long time after being picked. **Pkt., 10c; oz., 50c, postpaid.**

Perfection Brand Endive

ENDIVE FOR GREENS AND SALADS—Culture: For late spring and summer use, sow the seed in open ground during February or March. For fall use sow in July or August. Requires about 60 days to make a crop. This is a fine salad crop for your garden, and the leaves are used for garnishing and flavoring soup. Use a packet to 25 feet of drill.

DEEP HEART FRINGED—The well filled hearts are closely packed with an abundance of fine leaves blanched to clear creamy yellow. Well-grown plants have a diameter of 10 to 12 inches and a depth of 7 to 8 inches. **Pkt., 10c.**

Cress

Sow curled or pepper grass thickly in shallow drills every two weeks. It should be cut often, and will continue to grow. Useful for salad and garnishing.

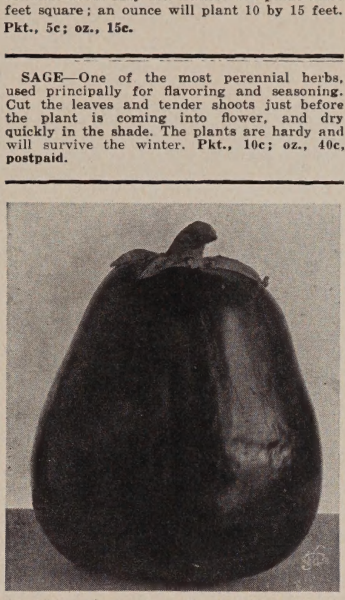
EXTRA CURLED or PEPPER GRASS—Quick-growing and crisp, pungent flavor. Does well in dry soil. **Pkt., 5c; oz., 20c.**

Quick-grown, young vegetables are the best, and only the home garden, where they may be harvested as needed, can provide them.

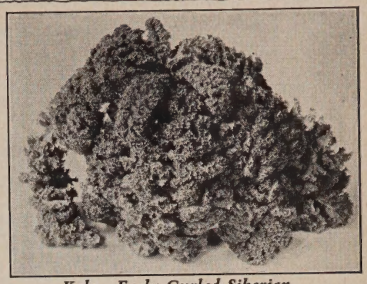
Dill

Every year there is such a demand for green dill that the supply is short of the demand. Plant in any quantity, from ten feet square to fifty feet square, but no more. Make several plantings to have it for market almost constantly and sell what you can of the green dill and dry the balance. First planting may be made about May 1st. Packet will plant three feet square; an ounce will plant 10 by 15 feet. **Pkt., 5c; oz., 15c.**

SAGE—One of the most perennial herbs, used principally for flavoring and seasoning. Cut the leaves and tender shoots just before the plant is coming into flower, and dry quickly in the shade. The plants are hardy and will survive the winter. **Pkt., 10c; oz., 40c, postpaid.**



Egg Plant—New York Improved



Kale—Early Curled Siberian

Horseradish

Grown for its roots, which have a pungent mustard-like flavor. Small pieces of roots, 4 to 5 inches long, are planted for propagation. Plant in rich ground—the richer the better. **35c per dozen; $2.50 per hundred.**

Kale or Borecole

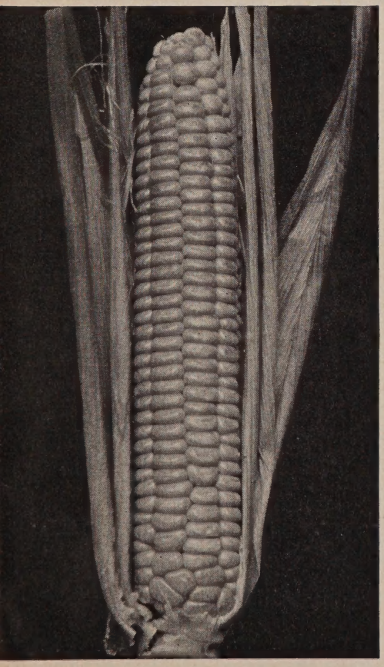
Loose, curly leaved type of the cabbage family; particularly noted for its hardiness. It makes excellent tender greens for winter use. In the South the hardy variety remains in the open ground all winter. Cultivated the same as cabbage. One ounce of seed is sufficient for 200 feet of drill.

EARLY CURLED SIBERIAN—The plant is dwarf, spreading, and very hardy, standing the winter without protection. The leaves are green, slightly tinted with purple, and of superior quality. **Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., $1.00, postpaid.**

Kohl Rabi

Grown for its thick, bulb-shaped stalks, which, while young, are prepared in the same manner as turnips, and which furnish a most desirable vegetable. Sow the seed in the spring in drills half an inch deep and two feet apart and when plants are a few inches high thin to 15 inches. Cultivate the same as for beets. One packet will sow about 30 feet in drill.

EARLY PURPLE VIENNA—Pkt., 10c; oz., 20c, postpaid.



Corn—Barden's Wonder Bantam

Perfection Brand Sweet Corn

Corn, like anything else well worth having, takes a little care to produce. A few rows of corn will supply the average home with plenty of fine roasting ears and enough over for canning and drying to last through the winter. Be sure and plant Sweet Corn every ten days or two weeks and you will have a continuous supply of table corn in the right stage to enjoy the eating of it. A rich, warm soil is the best, but excellent Sweet Corn can be raised on any good, ordinary soil, if it is deeply and thoroughly worked before planting. One pound of seed will plant about 100 hills.

Our Sweet Corn is grown in Ohio by the most reliable grower and breeder of high grade Sweet Corn in the United States.

IOANA HYBRID—Ears 8½ to 9 inches; 12 to 14 rows. Light yellow kernel. Stalk 6 to 6½ feet. A new large, late yellow hybrid. Matures 3 to 4 days later than Golden Cross and outyields this well known variety. Its vigor and lack of suckering has made it more resistant to drouth and adverse weather conditions. **Pkt., 10c; lb., 45c, postpaid.**

ADAMS EXTRA EARLY—A great favorite with those who wish the first corn of the season. Produces short ears, filled with tender, white kernels of fine flavor. **Pkt., 10c; lb., 25c, postpaid.**

STOWELL'S EVERGREEN—The ears are large; have fifteen or more rows of deep, luscious kernels, and remain tender and fit for use longer than any other sort. **Pkt., 10c; lb., 30c, postpaid.**

GOLDEN BANTAM—The stalks are of medium size, with heavy foliage, for forage. The ears are borne two to a stalk about 6 inches in length and are eight-rowed. The kernels are of golden yellow color, which at first gives the impression of field corn. However, as soon as tasted there is immediately a call for more. **Pkt., 10c; lb., 30c, postpaid.**

BARDEN'S WONDER BANTAM—An eight-row corn that is a decided improvement over the Golden Bantam. Has all the toothsome qualities of looks and taste, but the ears are larger (eight to ten inches long), and set up higher on a more sturdy stalk, from 5 to 6 feet high. It is as early as the Golden Bantam, more vigorous and productive. **Pkt., 10c; lb., 30c, postpaid.**

ADAMS EARLY—Has larger ears than the preceding; very popular in the South. **Pkt., 10c; lb., 25c, postpaid.**

TRUCKERS' FAVORITE—For a second early corn to follow Adams Early, or for late planting to mature early, this is a good sort. In addition to being a fine corn, it makes an excellent field corn to plant late. **Lb., 25c, postpaid.**

GOLDEN EVERGREEN—A cross between the well known Golden Bantam and Stowell's Evergreen. A corn that has the color and deliciously sweet flavor of the Bantam and the evergreen habit and tenderness of the Stowell's. The ears are larger than the Bantam, with Evergreen type of ear, with 14 to 18 rows of deep, sugary, rich yellow grains. **Pkt., 10c; lb., 30c, postpaid.**

COUNTRY GENTLEMAN—The most delicious of the late sorts. The medium-sized ears are covered with irregularly arranged, deep, sweet kernels. Very prolific, and well liked in some localities, where it is sold on the market as the "Shoe Peg." **Pkt., 10c; lb., 30c, postpaid.**

GOLDEN CROSS BANTAM HYBRID—Ears 8 to 9 inches long, 10 to 14 rows of light golden kernels. 84 days. Has the quality of Golden Bantam but is larger in both plants and ears. It is resistant to bacterial blight and highly productive. **Pkt., 10c; lb., 45c, postpaid.**

Ask for quantity prices on Sweet Corn.

Perfection Brand Cucumbers

Plant as soon as the weather has become settled and warm, in hills 4 feet each way. Cucumbers succeed best in warm, moist, rich, loamy soil. Plant the seeds about half inch deep. When all danger of insect attack is over, thin to about three or four of the strongest plants to the hill. Do not allow any fruit to ripen on the vines, as this will cause them to stop bearing.

EARLY FORTUNE—One of the best cucumbers on the market. Fruit is slightly tapering and about nine inches long. The firm, crisp, thick flesh is very white and has very few seeds. Early Fortune has a rich, dark green color which does not fade when shipped to distant markets. The vines are vigorous, very productive and blight resisting. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.25, postpaid.**

LONGFELLOW—Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface; retains color remarkably long after picking; white spine; 12 to 14 inches long, 2½ to 2¾ inches thick. Straight, well filled at ends. Very few seed. Matures in 74 days. **Pkt., 10c; oz., 20c; ¼ lb., 50c, postpaid.**

Cucumber—Early Fortune

MINCU—55 days. Somewhat short and pointed at blossom end—but white spined. A very early, heavy cropper for pickles. **Pkt., 5c; oz., 15c, postpaid.**

STRAIGHT EIGHT—Fruits are very symmetrical, almost cylindrical, with well rounded ends. Ready for market in 58 days, it carries an intense dark green color which it holds for some time. A fine market sort 8 inches long, 2 inches in diameter. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

IMPROVED KLONDIKE WHITE SPINE—The vines are very vigorous and productive; the fruit is of an attractive, deep glossy green color, with light spines running from blossom end. Most desirable for the market use. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

EARLY CLUSTER—Extra prolific sort; setting its fruits in clusters of two or three. The fruit is a dark green, short and particularly suitable for pickles. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

WEST INDIA GHERKIN—A very prolific, small fruited variety, used exclusively for pickling. It is not properly a cucumber, and is of no value for slicing. The fruits are 2 to 3 inches in length, thick and rounded, closely covered with spines. **Pkt., 5c; oz., 20c; ¼ lb., 60c.**

IMPROVED LONG GREEN—Most widely cultivated sort; unsurpassed for general use. The cucumbers average 10 inches long when fully developed, and are fine for slicing. The smaller fruits make excellent pickles. **Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.25, postpaid.**

JAPANESE CLIMBING—The strong vines, throwing out numerous tendrils, can be trained upon a trellis or poles, which will insure earlier ripening and a straight, handsome form in the large fruits. **Pkt., 5c; oz., 20c, postpaid.**

CHICAGO PICKLE—Largely used by pickle manufacturers. Prolific, short, with fruit of medium size, dark green color, and with prominent spines. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

Perfection Brand Lettuce Is Crisp and Tender

Lettuce is a cool-season crop that must grow fast in order to be crisp and fresh when ready for the table. Sow seed as early as possible in rich soil, for there is no better crop than the first in the spring.

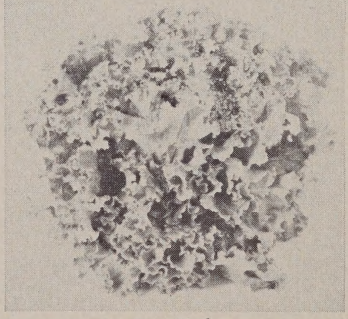
IMPROVED HANSON—One of the best for growing during the hot summer months, as it will stand heat and dry weather to perfection. Light green color outside and white within; tender, crisp. **Pkt., 5c; oz., 15c; ¼ lb., 35c, postpaid.**

BIG BOSTON—Very distinct variety, grown largely in the South as a winter lettuce. Light green color and quite tender when well grown. Outside is a less distinctive heading sort, the plants bearing vigorously, growing to a good size and forming loose heads. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

PRIZE HEAD—The outer leaves are bright and green, shaded with brownish red. They are large and thin, attractively curled, and very tender. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

PARIS WHITE COS—The Cos lettuce differs entirely in shape from the other varieties, the head being elongated and of a conical form, 8 to 9 inches in height and 5 to 6 inches in diameter. **Pkt., 10c; oz., 20c; ¼ lb., 50c, postpaid.**

EARLY CURLED SIMPSON—Forms close, compact bunches of effectively curled leaves. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**



New York

GRAND RAPIDS—The well-known forcing variety for the Middle West, where the butterheads or cabbage varieties do not grow very well under glass. It is a losse-branching variety, forming no definite head; is extremely curly, and its light green color is very attractive. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.00.**

CHICKEN LETTUCE—The plant grows very much like kale, to a height of four or five feet, with much growth of leaf. It is used mainly for chicken and rabbit feeding. It does not head and it is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., 95c.**

NEW YORK—A favorite variety. Heads very large, heavy and compact. Has a vigorous root system, which enables it to stand hot weather better than other varieties. The interior is beautifully blanched, creamy white, crisp and tender, and free from any bitterness. **Pkt., 5c; oz., 25c; ¼ lb., 65c, postpaid.**

BLACK SEEDED SIMPSON—Makes large bunches of curly, crisp leaves. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

Perfection Brand Cantaloupes are Luscious

A warm, sandy loam is best for raising melons. Plant early in the spring, 8 seeds in each hill. After they are well started thin to about 3 plants to each hill. An ounce will plant 60 hills; 2 or 3 pounds to the acre. We strive to supply melon seed of the highest quality. We have them grown where they reach the highest point of perfection by the most reliable growers, and are in a position to offer strains far superior to the commonly sold commercial grades. Many testimonials from thoroughly pleased customers show that our efforts to supply only the best are appreciated.

ROCKYFORD—This is the melon that made Rockyford famous. The flesh is green, very deep, solid and sweet, and can be eaten close to the rind. The seed cavity is very small. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid.**

OSAGE, or MILLER'S CREAM—One of the finest and most popular salmon-fleshed Muskmelons. The fruits are large, usually nearly three times the size of the Rockyford, with skin moderately netted and of oblong shape. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., 90c, postpaid.**

IMPROVED BANANA—Produces fruit of the finest quality, 1½ to 2½ feet long; rind thin and comparatively tough; flesh of a beautiful reddish salmon color, of excellent flavor; withstands the heat to perfection; fine for family use. **Pkt., 5c; oz., 20c; ¼ lb., 50c, postpaid.**

PERFECTED PERFECTO—Undoubtedly the "last word" in the Rockyford type of shipping cantaloupe. The flesh is almost solid, with the smallest seed cavity of any type. The fruits are nearly round, with gray netting. It is an outstanding early market variety, highly recommended for its hardiness, prolificness, deep rich orange-tinted flesh, unexcelled eating and shipping qualities. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.10, postpaid.**

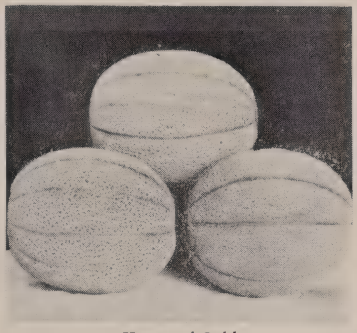
HALE'S BEST (Jumbo Strain)—A large-fruited strain of this leading variety for local markets. Preferred in some areas to Osage or Miller's Cream. Fruit oval, 5 to 6 lbs.; ribbing somewhat prominent, heavily netted. Flesh thick, salmon orange, sweet and of excellent flavor. **Pkt., 5c; oz., 10c; ¼ lb., 30c, postpaid.**

HEARTS OF GOLD—This melon runs very uniform in size and is a splendid shipping variety. The melons are oval to oblong in shape and are a little larger than the Rockyford. While it is a ribbed melon the ribs are not prominent and the melons are very heavily netted. The flesh is rich orange color, fine grain and of excellent flavor. Seed cavity is small. It doesn't turn yellow when ripe, but retains its natural color and remains solid and firm for days after it is picked from the vine. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.10, postpaid.**

NEW IDEAL CANTALOUPE—This strain was developed from a cantaloupe found in a seed field of Hale's Best. It is very prolific, oval in shape, practically all solid net. Flesh is deep salmon color, firm fine grained. Small seed cavity and excellent flavor. Matures its first melons in 80 to 90 days. **Pkt., 5c; oz., 15; ¼ lb., 40c; lb., $1.10, postpaid.**

HONEY DEW MELON—The fruits are of medium size, round or slightly oval, 5 to 6 inches in diameter and weigh about 6 pounds each. Flesh light emerald green, fine grained and of very sweet, sugary flavor. Rind thin but very firm and the fruit stands shipping remarkably well. If picked shortly before mature the fruits will keep for several weeks. Matures about two weeks later than Rockyford. **Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.25.**

HALES BEST No. 36—Is the standard of its class. Ready for the market in 85 days. Solidly netted, no ribs. The rich, spicy salmon flesh is deep, fine grained and will hold up well for long distance shipping. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.10, postpaid.**



Hearts of Gold

For Early, Better Melons . . . Use Vigoro

More and more melon growers are hearing about the amazing results Vigoro gives. Since it supplies all 11 vital elements in complete, balanced proportion, it helps get your crop on the early peak price market, and gives you better yield of finer quality melons. 100 ponds of Vigoro supplies two feedings for 1¼ acres . . . that's why it is more economical to use.

Try it, and you'll see why melon growers everywhere are praising this COMPLETE plant food. See page 20 for complete list of prices.

FEED WITH VIGORO COMPLETE PLANT FOOD

Perfection Brand Watermelons for the South

Our watermelon seed is grown especially for us in the South and selected from the very best melons. Southern-grown watermelon seed is always the best and the quality of the melons the very highest, as has been proven. A trial order will convince you our seed is first-class in every respect.

MOUNTAIN HOOSIER is a large round melon, in color a very rich dark green with a slightly bluish bloom. Flesh deep bright red, seed white with black points and slight black markings. Quality is excellent. Weight up to 60 lbs. Vines are hardy and prolific, the melons very attractive in appearance and the red meat is sweet, free from stringiness, of good texture and usually cut solid. Shy seeder. **Pkt., 10c; oz., 15c; ¼ lb., 50c; lb., $1.50, postpaid.**

DIXIE QUEEN—A new round melon of striking appearance. Light and green striped, very showy. Thin tough rind; flesh bright scarlet, solid, of fine texture. Quality unsurpassed. Seed very small, white. Vines very vigorous, prolific. Melons uniform in size and appearance, 30 to 40 lbs. Destined to become a leader for home gardens, local markets and shipping. Has fewer seed than other varieties. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

STONE MOUNTAIN—While this melon is rather new it is fast becoming a great favorite in many sections of the South, Middle West and Southwest. It grows large; rather round in shape and dark green in color. The flesh is a deep red, has but few seeds and the flavor is all that could be desired. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 80c, postpaid.**

IMPROVED KLECKLEY'S SWEET—One of the earliest, best and sweetest flavored melons in cultivation. On account of its thin rind, it will not stand shipment to distant markets, but it is the best that can be grown for the home and near-by markets. The skin is dark green. The flesh is scarlet, firm, solid and of delightful flavor. **Pkt., 5c; oz., 10c; lb., 75c; 10 lbs., $6.50, postpaid.**

TOM WATSON—The most popular shipping melon grown. The melons are large, long and green, like Kleckley's Sweet, but with a tougher rind, giving it excellent shipping qualities. The flesh is a rich red, solid, sweet, and luscious, and ripens up close to the rind. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.**

ARNELL WATERMELON—Originated by Mr. Arnell of Tulsa County. The rind is mottled greenish gray, flesh red and of excellent quality. The rind is tough, making an excellent shipping melon, is productive and uniformly oblong in shape. **Price, 10c per oz., ¼ lb., 25c; ½ lb., 75c; lb., 85c, postpaid.**

PORTO RICAN—A golden fleshed melon, very tender and has a most delicious flavor. It is medium early, of large uniform size, oblong shape. This has no hard core or stringy sections. **Pkt., 10c; oz., 20c; ¼ lb., 50c, postpaid.**

SMITH WATSON—Grows in shape and size about the same as the regular Watson, but has distinct markings in the form of irregular stripes. A good shipper and eating quality, considered better than other types of Watson. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., $1.00, postpaid.**

EARLY KANSAS—The flesh is a rich red color nearly to the rind and has a wonderful flavor. Shape is a large oval, almost round with lock ends; the rind is a dark green color with alternate stripes of a lighter shade. Average maturity 80 to 85 days. Melons weigh 30 to 35 pounds. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**

FLORIDA GIANT—The flesh is rich red, seeds black, quality usually very good—under favorable weather and soil conditions excellent. Grows round and extra large. Sometimes 70 pounds or better. **Pkt., 5c; oz., 15c; ¼ lb. 40c, postpaid.**

Dixie Queen

Tom Watson

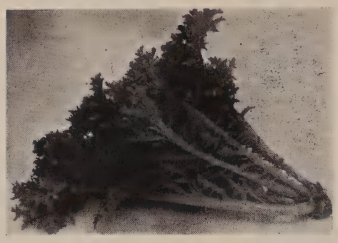
Perfection Brand Mustard for Health

Mustard is grown for greens and requires a loamy, rich soil, preferably a sandy loam. It is sown either broadcast or in drills; if it is sown broadcast about 8 quarts of seed are required per acre, if in drills, 3 pounds per acre.

MUSTARD SPINACH—Sometimes known as Tender Greens. This new vegetable, which is all its name implies, is a very mild mustard with a creamy spinach flavor. Mustard Spinach grows fast. The leaves are ready for cutting three to four weeks after planting. Dry, hot weather does not injure the crop. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.**

SOUTHERN GIANT CURLED MUSTARD—Long Standing type. This is a decided improvement over the old curled mustard as it will stand ten to fourteen days later before bolting to seed. **Pkt., 5c; oz., 10c; lb., 60c, postpaid.**

OSTRICH PLUME—Most beautiful variety and of very superior flavor. The leaves are beautifully ruffled and curled and curve outward like graceful ostrich plumes. They are excellently adapted for garnishing. **Pkt., 5c; oz., 10c; lb., 60c, postpaid.**



Southern Giant Curled

ELEPHANT EAR—Desirable kind. Each plant produces extra-large leaves of good substance and of most appetizing pungency. It succeeds well also from spring sowings, but does not make so large a plant during the warm summer as it does in the cooler fall or winter months. When they are grown in rich soil, the leaves attain sixteen to twenty inches in length; they are of light green color, with large white ribs or leaf stalks. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid.**

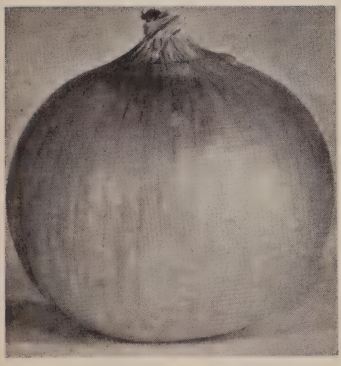
FLORIDA BROAD LEAF—Plants are rather tall and upright growing, and produce considerable more leaf growth than other varieties. The leaves are large, broad, comparatively smooth and have broad, distinct midribs. This variety is quite distinct in that it stays in condition without bolting to seed considerably longer than most other sorts. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid.**

Perfection Brand Onion Seed

SEED CROP VERY SHORT

One ounce will sow 100 feet of drill, 4 pounds will sow an acre.

CULTURE—Sow in the early spring, in in rows 12 inches apart, and cover half inch moist soil, as soon as the weather will permit, deep. If the onions grow too thick, thin to 1 inch apart, or only a very few onions will be the result. Manure highly (twenty loads to the acre being used by many market gardeners with profit), and if manure is not plentiful, some good phosphate, at the rate of 400 to 800 pounds per acre will give good results. A top dressing of wood ashes, applied after the second weeding, is very beneficial.



Valencia or Sweet Spanish

GIANT YELLOW PRIZETAKER—The American-grown Giant Yellow Prizetaker is far the handsomest, most productive, most popuar, and best of the yellow skin onions. The flesh is pure white, firm and fine-grained, and mild in flavor. It is of immense size, sometimes measuring from 10 to 12 inches in circumference. **Pkt., 10c; oz., 50c; ¼ lb., $1.75, postpaid.**

SOUTHPORT LARGE RED GLOBE—This handsome and most red-colored of all red sorts is becoming more popular every season. It is of a rich, glossy dark red, and makes a very attractive appearance. The bulbs are remarkably uniform in size and are splendid keepers. **Pkt., 10c; oz., 40c; ¼ lb., $1.40, postpaid.**

CRYSTAL WHITE WAX BERMUDAS—Genuine Teneriffe grown. A beautiful crystal white with the decided waxy appearance. It is the earliest of the Bermuda varieties, and makes large flat onions; so mild and sweet that they can be eaten like an apple. **Pkt., 10c; oz., 50c; ¼ lb., $1.75, postpaid.**

LARGE RED WETHERSFIELD—The most widely cultivated of the red varieties; the standard winter onion in many Northern States. The bulbs are well flattened, thick through and grow to a good size. A most excellent keeper. **Pkt., 10c; oz., 40c; ¼ lb., $1.25, postpaid.**

Shallow and frequent sprinkling causes plant roots to seek moisture near the surface—a very bad condition. Deep irrigation is to be preferred.

YELLOW GLOBE DANVERS—Handsome, nearly globe-shaped bulbs of pale yellow color; crisp, pure white flesh of mild flavor. **Pkt., 10c; oz., 40c; ¼ lb., $1.25, postpaid.**

VALENCIA or SWEET SPANISH—It is a large, well-shaped, brown onion, weighing from 1 to 3 pounds. It is unusually mild but still retains its genuine onion flavor. Planted at the proper time and thoroughly cured, it is a good keeper and will ship as good as any other shipping onion. It requires about 2 lbs. to plant an acre. **Pkt., 10c; oz., 30c; ¼ lb., $1.75, postpaid.**

Onion Sets

Onion Sets

We Will Gladly Quote Prices on Large Quantities.

DARK RED SETS—Lb., 25c, postpaid; by freight or express, not prepaid, lb., 15c; 10 lbs. $1.10.

YELLOW SETS—Lb., 25c, postpaid; by freight or express, not prepaid, lb., 15c; 10 lbs., $1.10.

WHITE SILVERSKIN SETS—Lb., 25c, postpaid; by freight or express, not prepaid, lb., 15c; 10 lbs., $1.10.

WHITE MULTIPLIER SETS—They are of a pure silvery-white color, enormously productive, frequently producing as many as twenty shoots for bunching from one bulb planted; of excellent quality and size for bunching. **Lb., 40c, postpaid; by freight or expreess, 30c per lb.**

Giant Yellow Prizetakers

Garlic

Used for flavoring soups, sausage, etc. It is propagated by division of the roots into small parts. The bulbs are gathered in August in the same manner as onions. **½ lb., 25c; lb., 45c, postpaid.**

Perfection Brand Okra or Gumbo

Okra—White Velvet

The young, tender seed pods of this plant are used for flavoring soups, stews, etc. They are regarded as a household necessity in the South, but are neither so well known nor so extensively used in the North. Seed should be sown when the weather has become settled, in drills 3 feet apart. Thin out the plants so they will stand from 1 to 2 feet apart in the rows. Gather the pods while they are young, as they become tough and woody when they grow older One ounce will sow 100 feet of drill.

WHITE VELVET—Tall-growing sort, with attractive long white pods, which are round and of velvety smoothness. **Pkt., 5c; oz., 10c; ¼ lb., 20c, postpaid.**

CLEMSON SPINELESS—A uniform spineless strain of Perkins Long Pod type. Plant has less foliage than Perkins; pods rich green, straight, ridged. **Pkt., 5c; oz., 10c; ¼ lb., 25c, postpaid.**

DWARF LONG POD—Bears in 50 days. Grows three feet high, strong stocky plant, sending out many branches. Very productive. Leaves and pods are dark green. Pods are 5 to 7 inches long, slender, corrugated and of excellent quality. **Pkt., 5c; oz., 10c; ¼ lb., 25c, postpaid.**

Parsnip—Hollow Crown

PERKINS' MAMMOTH LONG-PODDED OKRA—Pods shoot out from the stalk within 3 inches of the ground and the whole plant is covered with them to its extreme height. Pods are an intense green color, 9 to 10 inches long, very slim, and do not get hard. **Pkt., 5c; oz., 10c; ¼ lb., 20c.**

DWARF GREEN—Bears pods ready for use ten days or two weeks earlier than the tall sorts. The plants are of dwarf, stocky growth, and are very prolific. **Pkt., 5c; oz., 10c; ¼ lb., 20c, postpaid.**

Parsley

The leaves are used for garnishing meats, fish and other dishes, and as flavoring for soups and stews. Grows in any garden soil. Seed is of slow germination and should be planted early in spring in rows 10 inches apart. A few plants will supply a family.

MOSS CURLED—Leaves are very ornamental, curled and crimped; also excellent for seasoning. **Pkt., 5c; oz., 15c; ¼ lb., 25c.**

EVERGREEN—Is a double curled variety, with heavy, deeply cut foliage, in dense heads. It is uniform dark green, a rapid and strong grower, resistant to frost injury. This variety was given an award of merit in the 1940 All America trials. **Pkt., 10c; oz., 20c, postpaid.**

Parsnips

This is a hardy vegetable, used for food for both humans and stock. It is grown similar to the carrot, and requires a rich, loamy soil.

IMPROVED HOLLOW CROWN—A great cropper and considered the best for cultivation. The roots are long, smooth, tender, and very sugary. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

Perfection Brand Delicious Garden Peas

Peas require a good, well worked garden soil. Plant as early in the spring as the ground can be worked, for the early smooth seeded varieties, in rows about 8 to 10 inches apart and 1½ inches deep. The wrinkled varieties should be planted later as they require a warmer soil. One quart of seed is required for 100 feet of drill.

MELTING SUGAR—(Edible Pod)—In this variety, which is the best of its class, the entire pod is cooked the same way as string beans. The pods are large, flat, very brittle and tender and fine-flavored when cooked. The vines attain a height of 2 feet and are very attractive. **Pkt., 10c; lb., 35c, postpaid.**

LITTLE MARVEL—An extra fine dwarf sweet pea. A fine variety for either private or market garden. Extra early. Foliage and pods very deep green; pods 3 inches long, nearly round and square-ended, containing 7 very dark green peas of high quality; very productive. **Pkt., 10c; ½ lb., 35c; lb., 30c, postpaid; by express, lb., 30c; 10 lbs., $2.50.**

AMERICAN WONDER—The plants grow only 10 inches high and produce an abundance of medium-size pods, which are filled with large, sweet peas of luscious quality. **Pkt., 10c; lb., 30c, postpaid; by express, lb., 20c; 10 lbs., $1.75.**

Let the children plan and tend their own gardens. It will keep them off the streets at a constructive mind and body building occupation.

Leek

A very delicately flavored member of the onion family. The leafy portion of the plant is used for flavoring soups or boiling with meats while the white fleshy stems are boiled and either served with cream dressing or as a salad with vinegar and salad oil. Leeks prefer a rich, light soil. Cultivate the same as onions. Filling up will blanch the stalks and improve their quality. One ounce will sow about 100 feet of drill.

LONDON FLAG—A strong growing sort, hardy and excellent for winter. **Pkt., 10c; oz., 30c, postpaid.**

ALASKA—The earliest smooth pea in existence. The pods are medium in size, well filled and mature practically all at one time. Our strain is extra selected. **Pkt., 10c; lb., 30c, postpaid; by freight or express, lb., 20c; 10 lbs., $1.50.**

THOMAS LAXTON—A cross between Gradus and Alsaka. In earliness it is two or three days behind Alaska, and in yield, far superior. The pods are larger, containing sweet, large peas of fine flavor. Vines from 30 to 35 inches. **Pkt., 10c; lb., 30c, postpaid; by express, lb., 25c.**

LAXTONIAN—A dwarf pea with large handsome pods very similar to the Gradus, which variety it excels in yield and earliness. Vines average 15 inches in length, and the pods 3½ inches. One of the best peas for private or commercial growing. **Pkt., 10c; lb., 30c, postpaid; by express, 20c; 10 lbs., $1.75.**

LAXTON'S PROGRESS—One of the earliest large podded, dwart peas and excellent for home or market gardening. Vines grow about 16 inches, pods 4 inches long, broad and pointed. Makes in about 60 days. **Pkt., 10c; lb., 30c, postpaid. By freight or express, lb., 25c; 10 lbs., $2.00.**

LARGE WHITE MARROWFAT—A very late sort that bears large quantities of well-filled pods. **Pkt., 10c; lb., 30c, postpaid.**

TELEPHONE—A large sort, with tall-growing vines. The pods are very large, with large peas of delicious flavor. **Pkt., 10c; lb., 30c, postpaid. Ask for Quantity Prices.**

Peas—Laxton's Progress

Rhubarb, or Pie Plant

It is grown either from seed or by propagation of the roots. The soil for rhubarb should be made extremely rich, using manure every other season. The seed should be sown early in the spring in rows 12 inches apart and 1 inch deep. Thin the plants out to stand 5 inches apart and cultivate throughout the summer. In this section of the Southwest the plants get large enough to use in the fall from seed sown the previous spring, if the season has been favorable. The roots should be planted 3 feet apart in the row and with the crown about 4 inches under the soil. One ounce of seed will sow 100 feet of drill.

VICTORIA GIANT—This is a very large and late variety with round stalks of great length and thickness; produces a succession of stalks the whole season; held high in the esteem of market gardeners. **Pkt., 5c; oz., 15c; ¼ lb., 40c.**

For **RHUBARB ROOTS** see page 13.

Perfection Brand Peppers

The young plants are raised like tomatoes or egg plant. They should be set out after all danger of frost is over and the ground is warm. Set the plants about 2 feet apart in rows 3 feet wide. One ounce of seed will produce about 1,500 plants.

PIMENTO PEPPER—It is so smooth and uniform in shape that the skin can be easily slipped off after burning over a hot fire a few seconds or by boiling a few minutes in hot water. In quality is it very sweet and delicious and entirely free from pungency; in color, when ripe, it is a beautiful green. It is much sought and grown by canners for pickles and pulp. **Pkt., 10c; oz., 30c; 2 ozs., 55c.**

KING OF THE NORTH—(60 days after setting plants)—One of the earliest of the large peppers. They will average 6 inches long and 3 inches across. Flesh is mild, thick, fine and sweet. The spreading plants are literally covered with large peppers often with 8 to 10 maturing at the same time. **Pkt., 10c.**

CHINESE GIANT—This is the largest mild red pepper in existence. The peppers are of enormous size; specimens weighing 18 ounces are found quite frequently. They are of square block form; the flesh is very thick and extremely mild. **Pkt., 10c; oz., 50c; ¼ lb., $1.50, postpaid.**

LARGE BELL or IMPROVED BULLNOSE—A large early sort, with thick mild flesh. **Pkt., 10c; oz., 35c; ¼ lb., $1.00, postpaid.**

RUBY KING—A very prolific sort bearing splendid crops of splendid large thick peppers of good quality for mangoes. **Pkt., 10c; oz. 35c; ¼ lb., 90c, postpaid.**

CALIFORNIA WONDER — Resembles Chinese Giant in the large size and "blocky" form of its fruit, but have an extremely thick flesh not possessed by that variety. Measures 4½ to 5 inches in length by 4 inches in diameter. Fruits are dark green, smooth in surface. The exceptionally thick flesh is mild and sweet. **Pkt., 10c; ½ oz., 35c; oz., 60c, postpaid.**

TABASCO—This is the variety which the famous Tabasco sauce is made from. The tall, bushlike growth produces a great number of small slender, very hot and fiery fruits about one inch long. **Pkt., 10c; oz., 40c; ¼ lb., $1.00.**

SHORT RED CAYENNE—Grows about one-half inch across at stem end tapering to a point 2½ to 3 inches long. Very hot. **Pkt., 10c; oz., 30c, postpaid.**

Pepper—California Wonder

LARGE RED CAYENNE—Bright red fruits 3 to 4 inches long, very hot. **Pkt., 10c; oz., 30c; ¼ lb., $1.00, postpaid.**

Pumpkin—Small Sugar

Perfection Brand Pumpkins for Pies

Usually they are planted in the corn field, dropping three or four seeds every fourth hill, but they do better planted by themselves. Plant about 8 or 10 feet apart each way.

SMALL SUGAR—Handsome and prolific, of small size, averaging about 10 inches in diameter; skin is a deep rich orange yellow, fine-grained, sweet, dry and an excellent keeper; a nice table variety. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 75c, postpaid.**

TENNESSEE SWEET POTATO—A good variety for making pies and for other cooking purposes. It is of medium size, and of a white creamy color with excellent flavor. This is a good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 35c; postpaid.**

LARGE SWEET CHEESE, or KENTUCKY FIELD—A popular and very productive variety. The ripe fruits are flat, of a rich, creamy yellow color, and measure about 2 feet in diameter. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 50c, postpaid. By freight or express, lb., 40c; 10 lbs., $3.50.**

KING OF MAMMOTH PUMPKIN — Also called Jumbo, Mammoth Prize or Mammoth Potiron. On good ground and under high cultivation this pumpkin frequently grows to an immense size. Nothwithstanding the enormous size it is one of the best pie pumpkins, having very thick, sweet flesh which cooks quite dry and tender. To grow pumpkins of the largest size it is advisable to leave only one plant to a hill, leaving only one fruit to a plant, and give pumpkin plenty of room. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

IMPROVED GREEN-STRIPED CUSHAW—A crooked-necked variety, with green and white striped skin. The flesh is of a rich yellow color, solid, fine-grained, very thick and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 85c, postpaid.**

For the Best---Plant Perfection Brand Radish Seed

Our stock of radish seed is grown for us in Michigan. Great care is used in selecting this seed, and the quality is of the best. A trial will convince. They develop best and quickest in light rich sandy soil. Constant cultivation is necessary to insure radishes of good quality. One ounce will sow 75 feet of drill, 8 to 10 lbs. per acre. Plant radishes and carrots in the same row to conserve garden space.

CRIMSON GIANT—An entirely new variety and differs radically from all others, inasmuch as the roots attain more than double the size of the other forcing varieties without getting pithy or hollow. It is very early, nothwithstanding its size. Color, crimson; meat, pure white and of the best quality. The seed should be sown very thinly to permit the development of the roots. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.**

LONG SCARLET SHORT TOP—Roots grow 5 or 6 inches long and are very attractive, crisp. **Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 80c, postpaid. By freight or express, lb., 70c; 5 lbs., $3.25.**

WHITE STRASSBURG—An excellent summer radish; withstands severe heat and grows quickly. Skin and flesh pure white, firm, crisp and tender. Can be pulled five weeks from planting, but retains its crispness even when the roots are old and large. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.**

Radish—Icicle White

ICICLE—The finest eating white radish; has long, slender, pure white roots, which remain fresh and crisp until they grow to a large size; tops are quite short, making it early, and allowing close planting. Icicle radishes are a good crop to follow the first globes. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c, postpaid.**

EARLY FRENCH BREAKFAST—A beautiful olive-shaped sort of bright scarlet color, with well-defined white tip; a rapid grower; very mild and tender. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.**

SAXA—The earliest forcing radish and one of the slowest to shoot to seed. Round, bright scarlet and with the smallest possible top. **Pkt., 5c; oz., 15c; ¼ lb., 30c, postpaid.**

WHITE-TIPPED EARLY SCARLET TURNIP—For outdoor sowing this is the most important sort for the market, thousands of pounds being used annually. Our stock of this is the best. Handsome bright scarlet color, with white tip. Its fine appearance attracts customers and its quality always pleases. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c, postpaid. By freight or express, lb., 65c; 5 lbs., $3.00.**

If you have a vacant lot next door, or other space nearby, grow a vegetable garden. A plot 30 x 50 feet will provide most medium sized families with all the fresh vegetables they can eat, with plenty left over for canning.

Perfection Brand Radish Seed

EARLY SCARLET GLOBE—This is a splendid variety for hot-bed greenhouse culture. We consider it the best of the round scarlet forcing sorts. The radishes mature quickly, producing small growth of tops, and are solid and crisp; very uniform in shape. The color is a handsome bright scarlet. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c; 5 lbs., $3.00, postpaid.**

Spinach— Bloomsdale

Radish—Early Scarlet Globe

Winter Varieties

The merits of Winter Radishes are little appreciated, probably because they are seldom grown, and few people have knowledge of their worth. These grow to large size and keep well for autumn and winter use. Sow the seed from the middle of July until the middle of September. Include some of these with your order.

¼ lb., 30c; lb., 90c, postpaid.

CHINA ROSE WINTER—Of bright deep rose color; flesh firm and excellent for keeping. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.**

LONG BLACK SPANISH—With black skin and white flesh; will keep until spring. **Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c, postpaid.**

CALIFORNIA MAMMOTH WHITE—Roots white and when fully matured 9 to 12 inches long by 2 to 4 inches in diameter just below the shoulder, tapering regularly to the tip. Flesh firm, crisp, well flavored, and will keep well through the winter. **Pkt., 5c; oz., 10c;**

Plant Perfection Brand Spinach For Your Health's Sake

A spring plant used for greens. Very hardy and most in demand in early spring and late fall. Leaves are large, rich and tender. Very easy to culture and grows best in cool weather. Rapid growth is desirable that leaves may be strong and tender. Soil should be rich and given good cultivation. For fall use seed may be sown in the middle of September. One ounce will sow 100 feet of drill.

BLOOMSDALE—This is the most popular variety. The fleshy leaves are of true Savoy appearance; very hardy. **Pkt., 5c; oz., 10c; lb., 85c, postpaid. By freight or express, lb., 75c; 10 lbs., $7.00.**

NEW ZEALAND—Best for hot weather. Yields continuously from late spring to late fall. During the summer months when ordinary Spinach bolts and goes to seed, this variety is at its best. It thrives on almost any soil and withstands drouth wonderfully well. The plant is bushy in form. As the tops are cut off, side shoots develop and in a few days another crop may be cut. Seeds should be soaked in warm water for 24 hours to hasten germination. Plant in March or April, 3 to 4 seeds in hills 2 feet apart each way. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.25, postpaid.**

Squash

Squashes require a warm, fertile soil of sandy nature for best growth. Summer squashes grow mostly in compact bush form; hills for these should be about 4 feet apart; for long trailing fall and winter varieties hills should be 8 to 12 feet apart each way. If ground is not very rich two or three shovelfuls of well-rotted manure should be worked into each hill. Put 8 to 10 seeds in each hill about 1 inch deep. When danger of bugs is over, thin to three to four of the strongest plants.

CONNECTICUT STRAITNECK—A new early productive summer squash. Has small vine growth, about half the size of standard commercial varieties, which has valuable advantages as much thicker plantings can be made, resulting in really heavy crops. The fruit grows to a length of about 10 inches in a week after blossoming. The color is, briefly, lemon, and we like this color better than in some strains, as the fruits in the vegetable stands always have a distinct fresh appearance. This type produces fruit about two weeks ahead of any similar strain. **Pkt., 5c; oz., 10c; ¼ lb., 30c, postpaid.**

YELLOW SUMMER CROOKNECK — The plants are very productive and early bearing; skin of fruits very thickly warted and of orange-yellow color. **Pkt., 10c; oz., 15c; ¼ lb., 40c.**

HUBBARD—The most widely grown winter squash. Large and heavy, with bright orange flesh; fine grained, very dry, sweet and richly flavored; fine keeper; none better for squash pies. **Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.10, postpaid.**

WHITE BUSH or PATTY PAN—The best early variety. The plants are of true bush form and produce fruits very early in the season. Largely grown in the South for shipment to Northern markets. **Pkt., 5c; oz., 15c; ¼ lb., 40c, postpaid.**

TABLE QUEEN OR ACORN—An excellent table squash. The fruits are about half the size of a cocoanut, and half of one, baked, serves one amply. The shell is smooth and dark green, deeply furrowed and keeping as well as the Hubbard. Flesh is rich orange-yellow, cooking as dry and sweet as a sweet potato. Heavy yield. 80 days. **Pkt., 5c; oz., 10c; ¼ lb., 30c, postpaid.**

Grow some of the small acorn and nut squashes this year. They can be made up into attractive table dishes.

Spraying to protect your garden should begin before insect or fungus damage is apparent. After the damage is done, it is too late. You can count on the same enemies that attacked the garden last year.

Squash—Yellow Summer Crookneck

Salsify or Vegetable Oyster

So called because of resemblance in flavor to the oyster when cooked. Tap root is long and resembles a parsnip and one-half the size of an ordinary parsnip. Requires a deep, rich soil and the whole season to mature in. Plant seed about 1 inch deep in drills 12 inches apart, later thin out young plants to 4 or 5 inches. One ounce will plant 70 feet of drill. Roots may be dug and stored in fall or left in ground over winter.

MAMMOTH SANDWICH ISLAND — Grows very large; well flavored and mild. **Pkt., 5c; oz., 20c, postpaid.**

Perfection Brand Selected Irish Potatoes

NORTHERN GROWN

On account of market fluctuations, we are unable to name exact prices. We will be pleased to have you write during the month of January or later and we will then quote prices for prompt or future shipment.

Clean seed is of vital importance in the production of potatoes. Planting scabby or diseased potatoes in your garden will not only produce an inferior crop but will infect the soil with disease spores, and render it unfit for potato production in the future. Cut the seed potatoes in four or more sections, each piece with an eye. Dust with sulphur, and plant one section in a place and about ten inches apart in the row. Level the land, open a furrow about five inches deep, plant, cover, leaving the surface level. As the potatoes grow, draw the soil to them and thus provide an irrigation furrow between the rows.

Our Certified Seed Potatoes were grown in the Red River Valley of Minnesota and North Dakota and are strictly fancy stock. Should not be compared to average stock as offered by grocers and commission houses.

WARBA—A new variety. Round, white. Early and a very heavy yielder. Resistant to mosiac and hot dry weather.

TRIUMPH—Very early. Tubers are of medium size, round and uniform in shape, with but few small ones; eyes slightly depressed; color a beautiful light red. Its beauty, productiveness and fine quality make it one of the best extra early market varieties, especially for the South.

EARLY OHIO—Our stock of this variety is grown in the Red River Valley of the North.

IRISH COBBLER—A variety which in recent years has attained popularity. In many soils is as early or within a few days as early as Early Ohio, and the yield is superior. Added to this last the potato is chunky, white in color and of large medium size, making it the most attractive variety by far on the early market.

Perfection Brand Delicious Tomatoes

Everyone likes a good Tomato and every garden should have at least a dozen hills of Tomatoes. They may take a little more work than some other vegetables, but the occasional hoeing needed is well repaid by the constant supply of delicious fresh fruit all summer long. When the first frost comes in the fall, there are usually a number of green tomatoes left on the vines. These make an excellent pickle which will be relished the whole winter. We pay special attention to raising Tomato plants for the home garden.

Our California grown tomato seed is unsurpassed, bred up for hardiness and yielding qualities and is disease resistant.

SPARKS' EARLIANA — Coming into the market before any other sort, it commands top prices. The fruits are solid, uniform in shape, and of a rich bright-red color. The Tomatoes are produced in clusters, and generally can all be gathered in about three weeks from the time the first fruits ripen. **Pkt., 5c; oz., 35c; ¼ lb., $1.25, postpaid.**

MARGLOBE—This new tomato is the result of the efforts of Dr. F. Pritchard of the United States Department of Agriculture who has succeeded in producing a perfectly globe-shaped tomato of the most beautiful red color. It bears an abundant crop of good sized fruit which ripens well up to the stem. It is a second early sort and has proven to be disease resistant in the section where tomato diseases are most prevalent. **Pkt., 10c; oz., 35c; ¼ lb., $1.00, postpaid.**

GULFSTATE MARKET—Although this variety was developed primarily to meet the demands of tomato growers who ship to distant markets, its many excellent qualities make it also a very desirable sort for the home gardener or the grower for local markets. Fruits medium to large, round or globe shaped, show but little depression about stem and are smooth and free from cracks. Color, deep purplish pink, ripening well about the stem. **Pkt., 10c; oz., 40c; ¼ lb., $1.25, postpaid.**

RUTGER'S—This tomato has thick outer and inner walls of solid meat, with very small seed cavity. It is scarlet-red color, globe shaped, resembling Marglobe. Ripens first in the center of the fruit, so that when red on the outside the tomatoes are ripe all through. **Pkt., 10c; oz., 50c, postpaid.**

JOHN BAER — The seed offered here has been carefully bred and vine selected. Has small seed cavity, the fruit is medium size, smooth and firm and of beautiful glossy red color. The vines are sturdy and produce the fruit well above the ground. Early and prolific. **Pkt., 10c; ¼ oz., 30c; oz., 50c, postpaid.**

BREAK O'DAY—The variety is a cross between the Marglobe and Marvana, possessing the disease-resisting quality in both to a very marked degree. In size, color, shape and solidity the fruit is very much like Marglobe but matures from ten to twelve days earlier. It produces a very heavy plant and from a standpoint of yield is one of the most prolific varieties ever produced. The fruit is globe-shaped and of a beautiful deep scarlet color, and is unusually meaty, producing very few seeds. **Pkt., 10c; oz., 65c; ¼ lb., $2.00, postpaid.**

NEW PRITCHARD or SCARLET TOPPER —This is a new tomato originated by the late Dr. Pritchard of the U. S. Department of Agriculture. It is early, fruits large, smooth, meaty, very red, globular. Vines medium, dense, erect, self-topping and very prolific.

Especially bred up for a green-wrapped tomato, it is also an excellent canner and it ripens well up to the stem end. It has a tendency to set a rather large number of fruits, therefore requires either a naturally fertile soil or one well fertilized in order to size up the fruit properly and produce maximum quantity of fruit per vine. **Pkt., 10c; ¾ oz., 20c; oz., 60c, postpaid.**

Tomato—New Stone

OXHEART—Popular because of its attractively different shape, large size and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin pink, almost seedless, firm sweet flesh frequently two inches thick, without a seed cavity. Slices well. **Pkt., 15c; ¼ oz., 30c; oz., $1.00, postpaid.**

PONDEROSA — Largest fruited tomato in cultivation, single fruits often weighing from 2 to 4 pounds and measuring 18 inches in circumference. It is solid and meaty to the heart and has small seed cavities. For this reason selected seed of this variety will always be scarce. Fine for slicing and of excellent flavor. **Pkt., 10c; oz., 40c; ¼ lb., $1.25.**

NEW STONE—Immensely popular with canners, Southern shippers, and market gardeners. It is a remarkable yielder, very firm and of a handsome, bright red color. It is of excellent shape with very smooth skin, never cracking, and free from green core. **Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50, postpaid.**

The New Pearson Tomato

The Pearson is an early main-crop, scarlet fruited variety, having a compact self-topping vine. Like other determinate types the cluster of fruit set close together on the branch with only one or two leaves between clusters. The tomato is a slightly flattened globe-shape, very smooth, with a tough skin which shows practically no cracking. Yields are very heavy and the size is good when grown with proper soil fertility. Owing to its tough skin it is entirely possible that Pearson fruits for long distance shipping may be allowed to reach the pink stage of maturity before being picked, instead of harvested when mature-green—thus the consumer would be provided with a product of higher quality. Acre yields of thirty tons have been recorded in Indiana and California. **Price per pkt., 10c; oz., 60c; ¼ lb., $2.00, postpaid.**

CHALK'S EARLY JEWEL—One of the best early tomatoes yet introduced. The vines are vigorous and very productive. Fruits deep scarlet red, nearly round or somewhat flattened, smooth, of large size and most excellent quality. They ripen very early, and the pickings continue through a long season. **Pkt., 10c; oz., 25c; ¼ lb., 90c; lb., $2.75, postpaid.**

New Pearson Tomato

STOKESDALE—A new extra early scarlet fruited sort with remarkably solid interior, ripening from the inside outward. Resembles Marglobe in size and shape, but about 10 days earlier. **Pkt., 10c; ¼ oz., 25c; oz., 75c, postpaid.**

DWARF CHAMPION — The most popular dwarf variety in cultivation. The stocky, sturdy plants are of upright growth, requiring no support. The purplish red fruit begins to ripen early and are produced throughout the season. **Pkt., 10c; oz., 40c; ¼ lb., $1.25, postpaid.**

BEEFSTEAK—The fruit grows very large and very smooth. It is oval in shape rather than round like Stone. It is very solid and keeps well on the vines after ripening; has rather few seeds and ripens all over and through at one time. The color is clear deep red. **Pkt., 10c; ½ oz., 35c; oz., 60c.**

YELLOW PEAR—Used whole for salads and preserving. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

YELLOW PONDEROSA—A main crop, yellow-fruited variety. Fruit is large, rough and flattened in shape; set in clusters of 3 to 5. Vine makes a medium, rather open growth and shows good wilt resistance. **Pkt., 10c; oz., 60c.**

RED CHERRY—Used whole for salads and preserving. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

GROUND CHERRY or HUSK—Used whole for salads and preserving. **Pkt., 10c; ½ oz., 30c; oz., 50c.**

Independence, Kansas
January 21, 1941

Binding-Stevens Seed Co.
Tulsa, Oklahoma.
Gentlemen:

Please mail me a 60c packet of your new Pearson Tomato Seed. This new Pearson is one of the Best Tomatoes I ever saw. It is a splendid yielder of good fruit and not a plant showed blight. *Yours truly,*
G. A. Raglan.

Valmeyer, Ill., Feb. 6, 1941

Binding-Stevens Seed Co.,
Tulsa, Okla.

We were transferred to this State by the company we work for, but we still want to buy our seeds from you as we have done for the past 25 years. Please send us your catalog.

Very truly,
C. H. Morrison.

Cuprocide for Tomato Disease Control

After four years of extensive research, investigators at various state experiment stations have found that Yellow Cuprocide (based on yellow cuprous oxide) is effective and safe on tomatoes in the seedbed and field. This material, containing 47.2% copper as metallic, is a highly efficient fungicide which requires no lime; suspends well in the tank, and sticks tenaciously to foliage.

Cupricide Yellow is reasonable in price and is convenient to handle and use. No mixing platforms or stock solutions are necessary, as the material is merely washed through the screen into the tank. It does not corrode metals, and may therefore be handled in ordinary containers and used in galvanized or other types of spray tanks. Cuprocide may be used with arsenicals, nicotine sulphate, derris, cube, or other materials ordinarily used in sprays.

Time and Frequency of Spraying

It is desirable not to spray oftener than necessary. Perhaps the best criterion would be to apply three or four sprays at ten-day intervals after the plants begin to grow together in the middles. In spraying it is important to drive the spray to the center of the vines, ignoring the tips if necessary. For four applications (1¼ gallons per 100 gallons of spray, and applying 100 gallons per acre) will require 6 pounds of Yellow Cupricide per acre for the season. One case 16 3-pound bags will spray 8 acres. **3-lb. pkg., $1.50; case 16 3-lb. pkgs., 45c per lb.**

Perfection Brand Turnips

The turnip is not injured by frost and makes its growth in cool, moist weather. For spring sowing plant as early as the ground can be worked and for fall sowing plant from August to October 1st in this latitude. One ounce will sow 200 feet of drill. Turnips prefer a light sandy loam. Sow in rows 12 to 18 inches apart and half-inch deep. Thin out so the plants stand 4 inches apart.

EARLY WHITE MILAN — The earliest of all. On account of its beautiful shape and extreme earliness this takes the front place among turnips. It is so smooth and neat in appearance that it gives the impression that it has been polished by hand. The foliage is scant and short. Both skin and flesh are snowy white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid.**

WHITE EGG—Of handsome oval form with perfectly thin white skin. It grows very quickly and the flesh is very firm, sweet and mild. **Pkt., 5c; oz., 10c; ¼ lb., 20c, postpaid.**

COWHORN—A long white turnip, 12 to 15 inches in length, 2½ inches in diameter. Of rapid growth, producing large, heavy roots in 65 to 75 days. Very hardy. One of the best and sweetest for home use or for stock feeding. **Pkt., 5c; oz., 10c; lb., 45c; 5 lbs., $2.00, postpaid.**

PURPLE TOP WHITE GLOBE—Form large globe-shaped roots very rapidly. The upper half is a purplish color while the lower half is a pure white; the flesh is pure white, crisp and of excellent table qualities. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c, postpaid. By freight or express, lb., 45c; 5 lbs., $1.75.**

OUR SELECTED EARLY RED TOP WHITE GLOBE—Grown for us on contract from selected, transplanted roots. A perfect globe-shaped, with bright red or purple top and snow-white bottom. Due to the care in growing the seed it does not taper like other types of the same variety. Used extensively by our market gardeners. **Oz., 10c; ¼ lb., 20c; lb., 65c, postpaid.**

EARLY RED or PURPLE TOP STRAP LEAF — The standard early variety; quick-growing; flesh fine-grained and sweet. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid. By freight or express, lb., 45c; 5 lbs., $2.00.**

The best recipe for good health; grow your own vegetables and eat them.

Turnips—Purple Top White Globe

SEVEN TOP—Does not produce a good root, but is extensively grown in the South for the leaves, which are used for greens; very hardy and will grow all winter. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.**

IMPROVED PURPLE TOP RUTABAGA—Requires a longer season in which to grow than turnips, but flesh is of superior quality and keeps better. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid.**

LARGE YELLOW or AMBER GLOBE — Grows to a large size and is chiefly used for stock feeding; flesh yellow, firm and of good keeping qualities. **Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c, postpaid.**

Discovery of hormones which stimulate root formation has made it easier to propagate plants from cuttings. These hormones in powder form may be applied to seeds, a pinch in the packet, well shaken, and they will speed up growth, as well as having a disinfectant effect.

Vegetable Plants and Roots

ASPARAGUS ROOTS (Washington Rust Proof)—Two-year-old roots. **Dozen, 35c, postpaid. By express, 100, $1.50.**

EGGPLANT (New York Improved Large Purple)—Ready in May. **Dozen, 35c, postpaid. By express, 100, $2.75.**

FROST PROOF CABBAGE PLANTS—Early Jersey Wakefield and Early Flat Dutch. **35c per 100, postpaid. Ask for quantity prices.**

HORSERADISH SETS — **Dozen, 35c; 100, $2.00, postpaid.**

SWEET POTATO SLIPS—Write for prices.

PEPPER PLANTS (Large Sweet Bell)—Ready in April. **Dozen, 40c, postpaid.**

RHUBARB ROOTS — Strong roots. **Each, 30c; dozen, $2.50. Small roots, each, 10c; dozen, 90c, not postpaid.**

TOMATO PLANTS—Transplanted—Ready in April. **Dozen, 35c, postpaid. By express, 100, $1.75.**

SAGE PLANTS—Large. **Each, 20c.**

MINT PLANTS—**Dozen, 20c.**

CHIVE PLANTS—**Dozen, 20c.**

Don't let bugs or lice eat up either the flower or vegetable plants you have started. Spray with Black Leaf 40 for plant lice, and with Bordeaux Mixture for rust, blight or fungus. We have all kinds of sprayers and remedies.

Tobacco

Culture—The seed should be sown as early as possible after all danger of frosts is over. A good plan is to burn a quantity of rubbish and brush in the spring on the ground where the crop is to be grown, then dig and thoroughly pulverize the earth and mix with the ashes, after which the seed may be sown and covered very lightly. When the plants are about 6 inches high transplant into rows 4 or 5 feet apart each way; cultivate thoroughly with plow and hoe.

CONNECTICUT SEED LEAF—An old, well-known variety. **Pkt., 10c; oz., 50c.**

HAVANA—Grown from imported seed from Vuelta de Abajo. **Pkt., 10c; oz., 50c.**

WHITE BURLEY — Well-known sort. Our seed is grown on the famous limestone fields of Tennessee. **Pkt., 10c; oz., 50c.**

Number of Plants to Acre at Given Distances

Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants
½ x 1 in.	522,720	18 x 18 in.	19,360	30 x 6 in.	34,848	36 x 12 in.	14,520	48 x 12 in.	10,890	60 x 48 in.	2,178
½ x 3 in.	174,240	20 x 1 in.	313,635	30 x 12 in.	17,424	36 x 18 in.	9,680	48 x 18 in.	7,790	60 x 60 in.	1,743
12 x 12 in.	43,560	20 x 20 in.	15,681	30 x 16 in.	13,068	36 x 24 in.	7,260	48 x 24 in.	5,445	8 x 1 ft.	5,445
16 x 1 in.	392,040	24 x 1 in.	261,360	30 x 20 in.	10.454	36 x 36 in.	4,840	48 x 30 in.	4,356	8 x 3 ft.	1,815
18 x 1 in.	348,480	24 x 18 in.	15,520	30 x 24 in.	8,712	42 x 12 in.	12,446	48 x 36 in.	3,630	8 x 8 ft.	680
18 x 3 in.	116,160	24 x 24 in.	10,890	30 x 30 in.	6,970	42 x 24 in.	6,223	48 x 48 in.	2,723		
18 x 12 in.	29,040	30 x 1 in.	209,088	36 x 3 in.	58,080	42 x 36 in.	4,148	60 x 36 in.	2,901		

Why Envy Your Neighbor of Her Beautiful Flowers

Ageratum—Blue Perfection

Balsam—Gardenia Flowered

Calendula—Mixed

You, too, can have a beautiful flower garden. Perfection Brand Seeds are of such a high germinating quality and are so reasonably priced that with a few dollars you can have a show place. A word about planting flower seeds—sow the seeds either broadcast or in rows and cover lightly—a good general rule is to cover four to five times the size of the seeds—and press soil firmly. **Small seeds cannot come up if covered too deep.** Very fine seeds should be sown on the surface and **pressed into the soil.**

Ageratum

AGERATUM—Summer blooming plants throughout summer and fall. Desirable for borders, hedging, and rockeries. Does well in sun or half shade in any soil

AGERATUM (Midget Blue)—Dwarf (2 to 3 inches high) with delicate fine foliage, which is practically covered with small true Ageratum blue flowers. **Pkt., 25c.**

Blue Perfection—Medium blue, large flowers. Compact plants. 9 inches. **Pkt., 10c; ¼ oz., 20c.**

Alyssum

ALYSSUM (Compactum) LITTLE GEM—A low spreading light green plant with small white flowers of a peculiar delicate fragrance. Most effective in masses of plants. **Pkt., 5c; ¼ oz., 20c.**

LILAC QUEEN—Color deep lilac, habit compact, six inches high. **Pkt., 10c; ¼ oz., 20c.**

CARPET OF SNOW—Each plant is a flat, compact mass of snow-white flowers. 2½ inches high. **Pkt., 10c; ¼ oz., 15c.**

Lutescens—Creamy yellow. Grows 4 to 6 inches. **Pkt., 5c; ¼ oz., 20c.**

Aster

ASTER (Composite) — The Aster is considered the queen of all flowers. For beauty and variety of form and color, it is unrivaled, and of all the flowers is best adapted to win the admiration of all lovers of floral beauty. Set a foot apart. Height, 1½ feet. Annual.

Wilt-Resistant Type American Beauty—Mixed colors. Pkt., 20c.

Baby's Breath

BABY'S BREATH (Gypsophila)—Annual. 10 to 15 inches. Blooms in May and June. Small flowers on branched stems so thick as to give the plants a white lacelike effect. **Pkt., 10c; ¼ oz., 25c.**

Balsam

BALSAM (Lady's Slipper, Touch-me-not)—An old favorite garden flower producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion. Half-hardy annual. 2 feet high.

Mixed Double—Pkt., 10c; ¼ oz., 20c.

BUSH BALSAM (Gardenia Flowered)—Free flowering double balsam of bushy growth, flowers appear in clusters on top of stem-like double roses, instead of hidden on side of stems. It is a fine bedding plant, edging plant or in your rock garden. Mixed shades of white, rose and red. **Pkt., 15c.**

Candytuff—Mixed

Brachycome

BRACHYCOME IBERIDIFOLIA (Swan River Daisy or Annual Cineraria)—Fine for edging, or rock gardens. Free flowering. Small, Cineraria-like blooms nearly all summer.

Blue—Pkt., 10c.

Finest Mixed—Blue rose and white. **Pkt., 10c.**

Calcia

CALCIA (Tassel Flower)—Also known as Flora's Paint Brush. This is a very showy, erect growing, hardy annual plant, one to two feet high, very slender wiry stems and narrow bright green foliage. The flower heads are loosely clustered about half inch in diameter, making a feathery, tassel-like bloom.

MIXED—Bright scarlet and bright golden orange. **Pkt., 10c.**

Cheiranthus

CHEIRANTHUS (Shiberian Wallflower)—Biennial. Sow seed every year. Golden Bedder. Each plant produces 10 to 15 spikes, ranging in height from 12 to 15 inches, covered with beautiful, large, golden yellow flowers. Sweet scented. **Pkt., 10c.**

Calendula

CALENDULA (Orange Shaggy)—One of the most interesting and certainly the most distinct of the new types is the laciniated petaled type, Orange Shaggy. Deep orange in color, it is a striking contrast to the formal Calendulas in general use. **Pkt., 15c.**

CALENDULA (Pot Marigold)—Mixed colors. Pkt., 10c; oz., 40c.

Candytuft

CANDYTUFT (Iberis Umbellata)—One of the most hardy annuals, useful for cutting and is most effective when grown in a mass. Sow early ¼ inch deep in fine, rich soil and transplant or thin out to 9 inches apart. Height, 1 foot.

PERFECTION Brand Mixed — Pkt., 5c; ¼ oz., 15c.

Carnation

CARNATION—Marguerite—These are comparatively a new class of carnations. They are highly prized for massing in summer beds and their perfect form, beautiful shades of color and lavish profusion of bloom continue till frost. Semi-dwarf, 10 to 15 inches high. Annual. **Pkt., 10c; ¼ oz., 25c.**

CARNATION (Chabaud's Everblooming Mixed)—Plants bloom in about five months from sowing and continue all summer. The flowers are very double, of large size, clove scented. Plants grow 16 to 20 inches high. **Pkt., 10c.**

Carnation—Mixed

Plant Some of the Newer Cosmos This Spring

Celosia

CELOSIA CRISTATA (Cockscomb)—Showy flower-heads or combs of plush-like finish. They are very ornamental and are easily dried for winter decorations.

Tall Crimson—Pkt., 10c; ¼ oz., 25c.

Dwarf Empress—Dark foliage, dark red flowers. **Pkt., 10c; ¼ oz., 40c.**

Centaurea

CENTAUREAS MOSCHATA (Sweet Sultan)—Mixed colors. Very desirable for cutting and garden decoration. They bloom freely for many weeks during the summer. The large, long, stemmed, sweet scented flowers are exquisitively fringed and most graceful in appearance. **Pkt., 10c; ¼ oz., 25c, postpaid.**

POPULAR DOUBLE CORNFLOWERS (Centaurea Cyanus)—An old favorite, noted for its vigorous growth, large size flowers, and extreme doubleness of its blooms. The plants grow 2 to 3 feet tall. Fine for cut flowers.

Jubilee Gem. **Pinkie.**
Black Boy. **Red Boy.**
Blue Boy. **Double Mixed.**
All, pkt., 10c; ¼ oz., 25c.

Chrysanthemum

CHRYSANTHEMUM—Annual (Painted Daisies)—Flower profusely during summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. Grows 18 to 24 inches.

Carinatum Atrococcineum—Dark coppery crimson, yellow zone. **Pkt., 5c; ¼ oz., 20c.**

Tricolor—Finest Mixed. **Pkt., 5c; ¼ oz., 20c.**

Coronarium Coronet—Golden Glory, deep canary yellow. **Pkt., 5c; ¼ oz., 20c.**

Cosmos

COSMOS—Sensation—The Sensation type of Cosmos is today the favorite for cut flower use. The flowers are of immense size, 4 to 5 inches in diameter, with broad heavy fluted petals which slightly overlap, giving a very full single flower, making it ideal for cut flower use. The flowers are carried on long stems and are freely produced on plants which reach a height of 3 to 4 feet. The flowers are produced within 8 to 10 weeks from the time seed is sown.

PINKIE—Delightful rose shade. **Pkt., 15c.**

PURITY—Glistening white. **Pkt., 15c.**

COSMOS — Early Mammoth Single Mixed. **Pkt., 10c**

COSMOS — Late Mammoth Single Mixed. **Pkt., 10c.**

COSMOS — Early Klondike Orange Flare—Brigh vivid orange, very free flowering, 2 to 3 feet tall, with sparse growth of light green foliage. The most outstanding characteristic is its early blooming habit. The blooming season is long, and the long wiry stems make Orange Flare an excellent flower for cutting. **Pkt., 10c.**

Cosmos—Purity

Columbine

COLUMBINE (Aquilegia)—One of the most popular perennials, easy of cultivation and flowering from early summer until frost. Very desirable for borders and groups among shrubbery, 1 to 3 feet high.

Coerulea Rocky Mountain—**Pkt., 20c.**

Long Spurred Hybrids—Blue shades. **Pkt., 10c.**

Cynoglossum

CYNOGLOSSUM (Chinese Forget-me-not)—Annual. Large sprays of rich blue forget-me-not-like flowers from June till September. Thrives in a dry, sunny location. Height, 20 inches. **Pkt., 10c; oz., 35c.**

Cuphea

CUPHEA FIREFLY—This colorful little border or edging plant has definitely made a place for itself in the garden scheme. Dwarf, compact, neat in habit, showy and colorful, Cuphea Firefly is indeed a joy for garden lovers. The flowers are fiery cerise red in color, and are freely produced on compact plants which reach a height of about 10 inches. The general effect of a plant when in full bloom is that of a brightly decorated little Christmas bush. It is a tender annual, flowering readily in 12 to 14 weeks from seed, and blooms profusely for several weeks. **Pkt., 10c.**

Dahlia

DAHLIA—The dahlia is one of the most popular occupants of our gardens. Easily raised from seed, which will produce to flower the first season. Half-hardy perennial, 3 to 5 feet.

Double Mixed—**Pkt., 10c; ¼ oz., 50c.**

DAHLIA (Unwin Dwarf Hybrid)—The flower petals are nearly all twisted. Double and semi-double flowers in many charming colors, excellent for cutting. **Pkt., 20c.**

Dianthus

DIANTHUS (Heddewigi)—(Japanese Pinks)—Annual. Plants dwarf compact, 10 to 12 inches, free flowering. **Perfection Brand Double Mixed, pkt., 10c.**

DIANTHUS (Heddewigi Laciniatus) — Annual. Plants dwarf compact, free flowering lacinated petals. **Perfection Brand Double Mixed, pkt., 10c.**

DIANTHUS (Laciniatus Splendens) — The most striking Dianthus ever offered. Laciniatus Splendens comprises extra large single flowers of brilliant crimson, boldly contrasted with a glistening white eye, borne profusely on neat dwarf plants. **Pkt., 20c.**

Dimorphotheca

DIMORPHOTHECA (African Daisy)—Showy annuals, about 1 foot tall, with fine daisy-like blooms during summer and fall. Good for rock gardens, edgings and cutting. Need sunny exposure.

AURANTIACA MIXED—Pkt., 10c.

Dimorphotheca

Centaurea—Jubilee Gem

Columbine

Chrysanthemum—Tricolor

Try Old Fashioned Flowers in a Modern Setting

Gaillardia

Dusty Miller

DUSTY MILLER (Candidissima)—For bedding, hanging baskets and pots and for edging of beds where white foliage is desired. Silvery white, finely cut leaves. 15 inches. **Pkt., 10c.**

Four o'Clocks

FOUR O'CLOCKS or MARVEL OF PERU (Mirabilis)—This handsome, well-known free flowering garden favorite does well in any soil and under almost all conditions. Produces large flowers of many brilliant colors. The flowers are at the height of perfection during the afternoon. Height, 2 feet. **Mixed—Pkt., 10c; ¼ oz., 20c.**

Tall Red—Pkt., 5c; ¼ oz., 20c.

White—Pkt., 5c; ¼ oz., 20c.

Foxglove

FOXGLOVE (Digitalis) — A very beautiful and interesting old-fashioned plant whose culture is very simple. The bell-shaped flowers borne on long spikes make an exceedingly handsome and stately border. Keep plants 2 feet apart. Height, 3 to 5 feet. Hardy biennial.

Perfection Brand Mixed—Pkt., 10c; ¼ oz., 75c.

Gaillardia

GAILLARDIA (Blanket Flower) — Annual. Blooms July to October. The annual varieties are very showy and are well adapted for garden decoration and cutting. Grandiflora. Double Mixed. Two ft.; large flowering. **Pkt., 10c; ¼ oz., 25c.**

Geranium

GERANIUM (Pelargonium)—These universally admired plants are easily grown from seed and bloom the first season. Half-hardy perennial. 1 to 2 feet.

Perfection Brand Mixed—Pkt., 10c; ¼ oz., 75c.

Gomphrena

GOMPHRENA (Globe Amaranth)—A showy annual everlasting or strawflower, resembling a large clover blossom. **Mixed colors, pkt., 10c.**

Gypsophila

GYPSOPHILA (Baby's Breath)—Easy to grow in any soil. Open bell-shaped blooms used so much for mixing with other flowers in bouquets. Blooms quickly.

Elegans Grandiflora (London Market)—White.

Elegans Grandiflora (Carminea)—Deep rose. **Pkt., 5c; ¼ oz., 15c.**

Helianthus

HELIANTHUS (Annual Sunflower)—Sun Gold (new) Brilliant golden yellow large double flowers, free flowering, 4 to 5 inches. **Pkt., 10c; ¼ oz., 15c.**

Helichrysum

HELICHRYSUM (Monstrosum Strawflower)—The finest of all everlastings for the home garden. They are very handsome when growing in the open and make unusually fine winter boquets if cut when partially opened and dried slowly in a cool place, heads downward to keep the long stems straight. They come in a wide range of brilliant and soft colors. **Pkt., 10c.**

Hollyhock

HOLLYHOCK (Althea Rosea)—The hollyhock is an old garden favorite. The tall, stately spikes bear immense quantities of blooms of the most brilliant colors and as double as a rose. Plant 3 feet apart and water freely. Height, 5 to 6 feet. Hardy perennial.

Perfection Brand Double Mixed—Pkt., 10c; ¼ oz., 25c.

Chaters Double—Yellow, pink, crimson, maroon and white. **Pkt., 10c; ¼ oz., 30c.**

Kochia

KOCHIA (Summer Cypress) — Sometimes called burning bush. This annual plant is of surprising rapid growth, regular pyramids about 2 feet high. Leaves slender, of light pea green until fall, changing to blood red and carmine. **Pkt., 5c; ¼ oz., 10c; oz., 30c.**

Mignonette

Larkspur

LARKSPUR (Giant Imperial)—Tall, upright, compact, basal branching in habit, the Giant Imperials have superseded all other types of Larkspurs. The delphinium-like spikes of double flowers, carried on stems 4 to 5 inches long, are compactly placed on upright growing plants, requiring about one-half the space needed for the old stock flowered type.

White King—White.
Bell Blue—Azure Blue.
Blue Spire—Very deep violet blue.
Carmine King—Deep carmine rose.
Dazzler—Rich scarlet.
Miss California—Deep Rose on Salmon.
Finest Mixed.
Pkt., 10c; ¼ oz., 30c, postpaid.

Linaria

LINARIA Toad Flax—The Linarias, commonly known as miniature snapdragons, are very charming, free flowering border plants in bright and pastel shades. 18 inch.

Perfection Brand—Pkt., 10c; ¼ oz., 20c.

The best remedy for ailing plants is an application of complete plant food. It can also be used in the rows of the vegetable garden to speed up growth.

Lupins

LUPINS — Long graceful spikes of pea shaped flowers from July until August. Plant in lime free, moist soils.

Hartwegii—Dark blue. **Pkt., 5c; ¼ oz., 15c. 15c.**

Hartwegii—Finest mixed. **Pkt., 5c; ¼ oz., 15c.**

Russel's Prize Mixed. Pkt., 20c.

Marigolds

POT O' GOLD Dwarf Giganthea (New)—This widely acclaimed new variety bears a dozen or more of its large blooms at one time, beginning in early June and continuing for as long as 7 to 8 weeks. Excellent for bouquets. Golden orange. 4 to 4½-inch blooms, 12 to 15-inch stems. **Pkt., 25c.**

MARIGOLD, HARMONY TYPE (New)—French Dwarf Double Harmony Hybrids, described and priced on inside front cover. Illustrated in full color.

MARIGOLD, HARMONY TYPE (New)—French Tall Single Ferdinand, described and priced on inside front cover. Illustrated below.

MARIGOLD, GUINEA GOLD (2 ft.)—Carnation-like petals and unusually brilliant golden color makes this flower outstanding among Marigolds. It lacks much of the pungent odor of other Marigolds. The plants bloom very freely, and practically all flowers are double. **Pkt., 10c; ¼ oz., 35c.**

MARIGOLD, HARMONY, Dwarf French Double—Compact plants, free flowering, golden yellow bordered maroon red, scabious shaped. **Pkt., 10c.**

MARIGOLD, COLLARETTE CROWN OF GOLD—New, orange, 2½-inch flowers, crested center, broad guard petals, odorless foliage. **Pkt., 10c.**

MARIGOLD (Gigantea Sunset Giants)—The largest flowered of the Marigold group. Averaging 5 inches and some attaining a size of 7½ inches across, but they are produced in such profusion that a plant of Sunset Giants is one of the showiest places in the garden. Instead of the usual marigold odor these have a definitely sweet fragrance. This strain comes from 60% to 65% double. **Pkt., 25c.**

MISSION GIANT MIXED—The colors in the blend are deep, medium and golden orange, as well as bright lemon. Very early. Blooms 4 to 5 inches in diameter, are almost a perfect ball. Height 18 inches. **Pkt., 20c.**

Mignonette

MIGNONETTE—The mignonette is a universal favorite and no other flower is so generally known for fragrance. The dense semi-globular heads of flowers on stalks about 6 inches high, making the whole plant reach to 1 to 1½ feet high. Hardy annual. **Mixed—Pkt., 10c; ¼ oz., 15c.**

Marigolds—Ferdinand

Nasturtiums . . . In a Riot of Color

Nasturtiums

DOUBLE-GLEAM INDIAN CHIEF (New)—Has dark foliage with vivid scarlet flowers. The blooms are sweet scented and freely produced. **Pkt., 10c; oz., 30c.**

SALMON GLEAM—Delicate golden salmon. **Pkt., 10c; oz., 20c, postpaid.**

GOLDEN GLEAM—A recent introduction. The large, golden yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. When well grown the remarkable formation gives the flowers a fully double appearance. Very sweet scented. **Pkt., 10c; oz., 20c.**

ORANGE GLEAM — An improvement over Golden Gleam in doubleness and also for number of flowers in bloom on one plant. **Pkt., 10c; oz. 20c.**

SCARLET GLEAM — Fully double, of the same type as Golden Gleam. **Pkt., 10c; oz., 20c.**

GLORIOUS GLEAM HYBRIDS MIXED — Wide assortment of colors, sweet scented. **Pkt., 10c; oz., 20c.**

MAHOGANY—Double sweet scented, dark mahogany red. **Pkt., 10c.**

SUPREME — Double sweet scented, salmon cerise. **Pkt., 10c.**

DWARF GEM—Semi-double, sweet scented. Grows about 1 foot high. The dwarf, rounded plants are most attractive for beds, borders and rock gardens. Flowers are produced freely on long stems. Suitable for cutting.

Orange Gem—Clear orange. **Pkt., 5c; ¼ oz., 15c.**

Salmon Gem—Soft golden salmon. **Pkt., 5c; ¼ oz., 15c.**

Scarlet Gem—Fiery scarlet. **Pkt., 5c; ¼ oz., 15c.**

Mixed, all colors—Pkt., 5c; ¼ oz., 10c.

SINGLE NASTURTIUMS—Dark leaved.

Perfection Dwarf Mixed. Pkt., 5c; oz., 15c; ¼ lb., 30c.

Perfection Tall Mixed. Pkt., 5c; oz., 15c; ¼ lb., 30c.

Nicotiana

NICOTIANA AFFINIS (Sweet Scented Flowering Tobacco)—A free flowering annual, blossoms resemble the petunia, opening in the evening and emit a very powerful perfume.

Crimson Bedder—Compact, deep crimson, 16 inches. **Pkt., 10c.**

Hybrids—Mixed. **Pkt., 5c; ¼ oz., 25c.**

Nigella

NIGELLA (Love-in-a-mist)—One of the prettiest old-fashioned annuals with attractive double flowers, nestled among the fine, feathery foliage. Blooms over a long period. 1½ feet tall.

MISS JEKYLL—Cornflower blue. **Pkt., 5c; ¼ oz., 15c.**

Apartment dwellers find a window box helps to satisfy their longing for a garden. Dozens of flowers can be grown in a small space. Nasturtiums, Petunias and other dwarf or rambling subjects are good.

Nasturtiums—Gleam Hybirds, Mixed

Petunias . . . In Colors Soft and Vivid

Few flowers excel Petunias in brilliant and gorgeous display. The commence flowering very early, and continue throughout the whole season. Easily cultivated in almost any soil in a sunny location.

Pansies

PANSIES—The pansy is a flower that is well known and highly prized in every garden.

SHAKESPEARE'S PANSY—This is a simple, quaint pansy suitable for any location in the garden. Color combinations of blue or purple, white and yellow. **Pkt., 25c.**

SWISS GIANT MIXED—A large flowering type in a good range of colors. **Pkt., 20c.**

Phlox Annual

The Phloxes are the showiest and most easily raised of all annuals. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades.

Seed should be sown in the ground as soon as danger of frost is over and in a few weeks the beds are a blaze of glory. If seed pods are cut off the plants will continue to flower until frost.

Salmon Glory (New)—The color is a pure salmon pink with a distinct creamy-white eye. The individual florets are gigantic for Phlox, measuring 1¼ to 1½ inches in diameter. **Pkt., 20c.**

Drummondi Grandiflora Mixed. Pkt., 10c; ¼ oz., 25c.

Giganthea Art Shades—Very large flowers, lovely pastel shades. **Pkt., 10c; ¼ oz., 35c.**

Star Mixed—Deeply fringed and pointed petals. **Pkt., 10c.**

Phlox—Giganthea Art Shades

Annual Poppies

Annual poppies should be sown in the spring soon as possible where they are to remain, as they do not stand transplanting. Poppies are charming subjects in the garden because of their brilliantly colored flowers and the freedom in which they are produced.

CALIFORNIA POPPY—Spreading varieties.

AURANTICA—Orange. **CARMINE KING**—Deep carmine. **BRILLIANT MIXED**—**Pkt., 10c; ¼ oz., 25c.**

DOUBLE SHIRLEY MIXED—**Pkt., 5c; ¼ oz., 15c.**

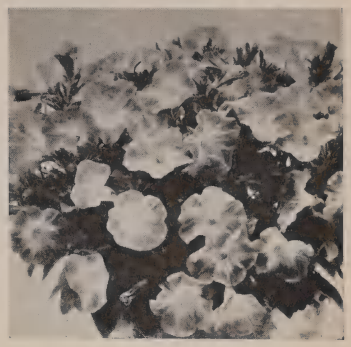
SINGLE SHIRLEY POPPY—Large, single flowers with papery, silk-like petals. Very attractive. **Pkt., 5c; ¼ oz., 15c.**

AMERICAN LEGION—Brilliant scarlet, white maltese cross. **Pkt., 5c; ¼ oz., 20c.**

FLANDERS POPPY—A true dwarf orange scarlet, black cross. **Pkt., 10c; ¼ oz., 30c.**

Your list of annuals should be made up as soon as possible now—try a few new ones this year.

Some of the hardy annuals can be seeded on frosted ground and will start to grow earlier.



Petunia—Rosy Morn

Petunia Miniature Violet Gem

Violet Gem is a true miniature in every respect. The plants are neat, dwarf and compact. The blooms are just the size you would expect to find on this type of plant, free blooming almost to a fault, because throughout the season the rich violet blue bloms are so plentiful that they all but completely hide the clean, dark green foliage. **Pkt., 25c.**

PETUNIA HYBRIDA—

Used for mass planting, beds, borders and window boxes. The plants are extremely free blooming. Grow 1¼ feet high.

General Dodd—Blood red. **Pkt., 10c; ¼ oz., 25c.**

Howard's Star—Rosy-crimson with a clearly defined five-pointed star of blush white. **Pkt., 10c; ¼ oz., 25c.**

Inimitable—Red and rose, spotted, striped and starred white. **Pkt., 10c; ¼ oz., 25c.**

Rose King Improved—Deep clear rose pink. Flower large and beautiful. **Pkt., 15c; ¼ oz., 50c.**

Violecea—Deep violet. **Pkt., 10c; ¼ oz., 35c.**

Flaming Velvet—Deep, velvety blood red. **Pkt., 20c.**

Perfection Brand Mixed—All Colors. **Pkt., 10c; ¼ oz., 20c.**

HYBRIDA NANA ERECTA—

This group is a dwarf, compact, floriferous and continuous bloomer, undoubtedly the most satisfactory bedding type in cultivation. Height, 1 foot.

Alderman—Deep violet blue. **Pkt., 15c.**

Blue Bedder—Mid blue. **Pkt., 15c.**

Silver Blue (Heavenly Blue)—Light blue. **Pkt., 20c.**

Snow Queen—White, large flowers. **Pkt., 20c.**

Rose of Heaven—Brilliant rose. **Pkt., 15c; ¼ oz., 30c.**

Rosy Morn—Rose pink, white throat. **Pkt., 15c; ¼ oz., 30c.**

Violacea—Deep velvety purple. **Pkt., 20c; ¼ oz., 45c.**

Perfection Brand Mixed—**Pkt., 10c; ¼ oz., 30c.**

PETUNIA PENDULA—

Balcony or trailing type. Grows 16 to 24 inches. Showy plants with long branches covered with blooms, 2½ inches across.

Black Prince—Deep velvety red-darkets of all red varieties. **Pkt., 25c.**

Deep Blue—**Pkt., 25c.**

Red—Crimson. **Pkt., 25c.**

Rose—Clear rose, golden throat. **Pkt., 25c.**

Perfection Brand Mixed—**Pkt., 20c.**

NANA COMPACTA—

Erect and bushy, 10 to 12 inches high.

FINEST MIXED—**Pkt., 25c.**

PETUNIA MINIATURE NANA COMPACT—Neat compact plants about 6 inches high and 8 inches in diameter, fully covered with a mass of 2-inch flowers.

Martha Washington—Blush pink deepening to dark violet throat, ruffled flowers, dwarf, compact, free flowering. **Pkt., 35c.**

Sweet Peas Complete the Garden Scheme

Spencer—Sweet Pea

SPENCER SWEET PEAS—Because of such unusual size, waved or fluted appearance and charming blendings of harmonious colors, the new Spencer type may be appropriately described as Gigantic Orchid Flowered. The flowers are not only of extremely large size, but are distinct in having the outer edges of the standard and wings beautifully crumpled or waved. Sweet Peas are more than flowers—they are a necessity for every garden.

INOCULATE SWEET PEAS WITH NITRAGIN BEFORE PLANTING—See Page 20.

LOCATION—Any location will be suitable that is well drained that that will get free circulation of air. Early planting is essential with sweet peas in order to give the roots a chance to develop more rapidly than the tops during the cool weather. Early plantings produce blossoms before the intense heat of the summer comes which is likely to wilt the plants if they do not have well developed roots. Sowings should be made in furrows 12 inches deep and the seed covered with an inch of soil and the trench filled as the plants grow. It is a help to soak the seeds in lukewarm water overnight before sowing. Use one ounce to twelve feet of row.

AUSTIN FREDERICK—Large pure lavender.

CAPTAIN BLOOD—Brilliant blood scarlet, veneered copper.

PRINCE OF ORANGE—Best deep orange.

REFLECTION—Large, waved, clear blue.

ROYAL PURPLE—Rich purple.

SPLENDOR—Giant deep maroon.

THE ADMIRAL—Violet blue.

All of the above, 10c per packet; oz., 15c; ¼ lb., 50c; lb., $1.50.

Spencer Mixed Sweet Peas—Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., $1.25.

GIANT RUFFLED—Beautifully ruffled, duplexed and frilled, giving the large wavy flowers a double appearance. Long stems, each carrying four fully developed blooms.

Mixed Colors—Pkt., 10c; oz., 25c.

Early Flowering Spencer Sweet Peas come into bloom about three weeks earlier than the summer flowering varieties. Sweet Peas do best in cool weather and they will bloom before the summer heat arrives.

If you have not been successful with the late varieties, try some of the Early Flowering.

AMERICAN BEAUTY—Rich crimson rose.

BRIGHT LIGHT—Flaming scarlet.

BURPEE'S ORANGE—Clear orange.

ELK PURPLE—Reddish purple.

HOPE—Pure white.

LADDIE—Giant rose pink.

MEMORY—Clear rosy lavender.

MISS ALABAMA—Deep chocolate maroon.

MRS. CALVIN COOLIDGE—Rich salmon pink.

MRS. HERBERT HOOVER—Clear blue.

Pkt., 10c; oz., 25c; ¼ lb., 90c.

Keep the pods nipped on the Sweet Peas. They will stop blooming if seeds form.

Portulaca

PORTULACA—There is scarcely any flower in cultivation that makes such a dazzling display as a bed of many-hued, highly colored Portulaca. In bloom all summer until frost. Beds should have full exposure to sun and plants will stand any amount of dry weather.

Double Mixed—Pkt., 10c; ¼ oz., 50c.

Single Mixed—Pkt., 10c; ¼ oz., 20c; oz., 65c.

Ricinus

RICINUS (Castor Bean)—This magnificent foliage plant is picturesquely showy and imposing, lending to the garden, a truly subtropical effect. Plant 2 inches deep when all danger of frost is over. Set out or transplant 3 feet apart.

Perfection Brand Giant—Pkt., 10c; oz., 20c.

Salvia

SALVIA (Scarlet Sage)—One of the handsomest flowering plants we have for garden decoration, blooming in spikes, from mid-summer until killed by frost. **Bonfire—Pkt., 10c.**

Farinacea Blue Bedder—3-foot, rich, deep blue flowers. Free flowering. **Pkt., 15c.**

Salpiglossis

SALPIGLOSSIS (Painted Tongue)—One of the easiest of annuals to grow. Rich in deep color tones, which are set off by veins of gold, marking every flower. Plant in full sun as early as possible. Do not over-water. Its blossoms, similar in shape to a petunia, on strong stems are borne profusely until frosts kill the plants. Height 30 inches.

Mixed Colors—Pkt., 10c.

Scabiosa

SCABIOSA (Mourning Bride)—The handsome double flowers are borne on long stems, thus adding to their value as cut flowers, while the colors range from pure white through shades of pink and red to blue and black-maroon. Grows 24 inches high.

DWARF PEACE—The flowers are 1½ to 2 inches across, of perfect form. Pure white. Height 2 feet. **Pkt., 15c.**

IMPERIAL GIANTS BLUE MOON—Extremely large, well formed flowers, which are fully double. Plants very upright, growing 42 to 48 inches tall. **Pkt., 25c.**

Giant Flowered Hybrids Mixed, large flowers, unusual colors, ball shaped. **Pkt., 10c; ¼ oz., 20c.**

Use a teaspoonful of good complete plant food with every square foot of soil you use to pot indoor plants. Mix thoroughly, and after a month use the same amount spread on top and wet down.

Snapdragon—Antirrhinum

SNAPDRAGON (Antirrhinum Rustproof Majus Grandiflorium)—New strains of rustproof are highly immune to rust disease.

University of California DeLuxe Mixed—Rustproof. An evenly balanced blend of popular colors. **Pkt., 15c, postpaid.**

BUTTERCUP—Canary yellow.

FIERY RED—Very brilliant.

ORANGE SHADES—Deep and light orange.

PINKIE—Clear rose.

All above, per pkt., 20c.

Stocks

STOCKS (Gilliflower)—A magnificent group of plants extensively cultivated for both summer and winter decoration. The extreme beauty of their flowers and luxuriant foliage, combined with their neat, graceful habit, make them one of the most popular and useful for pot culture and bedding purposes.

DOUBLE DWARF—10 weeks. **Pkt., 10c; ¼ oz., 20c.**

PERFECTION BRAND—Large flowering mixed. **Pkt., 10c; ¼ oz., 30c.**

Sweet William

SWEET WILLIAM (Dianthus Barbatus)—A well-known attractive, free-flowering plant, producing a splendid effect in beds and borders, with rich, attractive flowers borne in heads or clusters about 18 inches high. Hardy perennial.

Double Mixed—Pkt., 10c; ¼ oz., 25c.

NEWPORT PINK—Pkt., 10c.

ANNUAL SWEET WILLIAM MIXED—Pkt., 10c.

Tithonia

TITHONIA (Spacious Mexican Sunflower)—Stately plants with deeply cut, dark green foliage, and gorgeous, brilliant orange scarlet flowers 3 to 4 inches across. Charming for cutting and tall backgrounds. Blooms in late fall. Grows 6 feet. **Pkt., 10c.**

Torenia

TORENIA—Small richly colored snapdragon-like flowers borne profusely during summer and fall on compact bushy plants 1 foot tall. Fine for beds or borders.

FOURNIERI—Light blue, blotched deeper blue; yellow throat. **Pkt., 20c.**

Viola

VIOLA Mixed—This blend of bright, gay colors far surpasses any mixture of Violas we have ever seen. **Pkt., 20c.**

Verbenas

VERBENA HYBRIDA—Blooming freely all season until frost and in the most brilliant colors. Admirable for solid beds or masses; also for edging. Sow ⅛ inch deep in boxes or pots of fine soil, transplant to other boxes 3 inches apart, and plant out in a warm, sunny position in the border when all danger from frost is past.

VERBENA (Beauty of Oxford)—From rose pink to rose red. **Pkt., 10c.**

CRIMSON GLOW—This is the finest and deepest red available in this popular garden flower. Rich, glowing crimson, the flowers are a solid mass of color, making a striking bed or border in the garden. **Pkt., 15c, postpaid.**

FIREBALL—Neat and compact in habit. Height 6 inches. Erect. Continuous bloomer. Bright scarlet. **Pkt., 25c.**

HYBRIDA COMPACTA ERECTA FINEST MIXED—This group is very neat and compact in habit. It is a continuous bloomer, particularly adapted for bedding, borders and small gardens. 6 to 8 inches tall. **Pkt., 20c.**

PERFECTION Brand Mixed—Pkt., 10c; ¼ oz., 30c; oz., $1.00.

VINCA (Madagascar Periwinkle)—Handsome ornamental free-blooming very bushy plants, producing round, single flowers measuring 1½ inches across. Fine bedding plants and cut flowers.

ROSEA-ROSE—Pkt., 10c; ¼ oz., 20c.

PERFECTION Brand Mixed—Pkt., 10c; ¼ oz., 30c.

Verbena—Compacta Erecta

Perfection Brand Flowering Vines and Gourds

Rapid Climbers are excellent to shade porches, cover stumps and hide unsightly places. Everyone who has a porch or room that is exposed to the hot sun all summer long will appreciate what it would mean to have a dense green vine for protection.

BALSAM APPLE (Momordica Balsamina)—Very curious, rapid and dense climbers with ornamental foliage. Its large golden yellow fruit opens when ripe and displays its brilliant blood-red inside. Hardy annual. 10 to 20 feet. **Pkt., 10c; oz., 30c.**

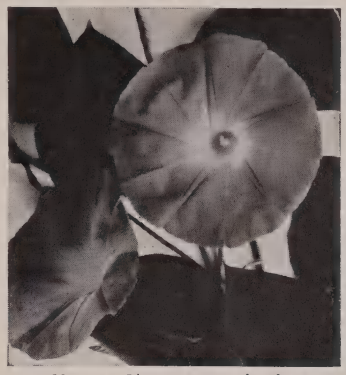
CARDINAL CLIMBER—A very attractive and graceful climber, developing to perfection in sandy soil. The leaves resemble those of a fine Japanese Maple, and the rich scarlet blooms cover the vines completely all during summer and fall. Plant in full sun. **Pkt., 10c; ¼ oz., 25c.**

CYPRESS VINE (Ipomea Quamoelit)—A most beautiful climber with delicate dark green, feathery foliage and an abundance of bright flowers. Planted by the side of a veranda, tree or stakes, it attains a height of from 10 to 20 feet. Annual.
Mixed—Pkt., 5c; ¼ oz., 10c. Red—Pkt., 10c; ¼ oz., 20c.

HARDY SWEET PEAS (Lathyrus Latifolius)—Very decorative climbing vines of the Pea family. Flowers are similar to Sweet Peas and are even more showy, but are lacking in fragrance. **Mixed colors—Pkt., 10c; ½ oz., 40c; oz., 70c.**

MORNING GLORY CORNELL—This variety combines the brilliant coloring of Scarlett O'Hara with the size of bloom and robust habit of the Heavenly Blue Morning Glories. The blooms are large, 4 to 4½ inches in diameter, in an intense shade of carnelian red with a border a little over an eighth of an inch wide of pure glistening white. The plants are thick growing, make a rather heavy growth of very attractive bright green foliage, commencing to flower when the vine is only 2 or 3 feet tall. Much more free blooming than its famous companion, Scarlett O'Hara. **Pkt., 10c.**

MORNING GLORY SCARLETT O'HARA—An entirely new color in this popular garden flower, rich, dark wine red, or deep rosy crimson. The flowers are of good size, about 3½ inches in diameter, freely produced on fast growing vines which start blooming within 65 days after seed is sown. **Pkt., 20c.**



Morning Glory—Heavenly Blue

MORNING GLORY—Clark's Earliest Heavenly Blue—It is the earliest flowering variety, makes a sparse growth of foliage and is heavily covered with flowers. A beautiful sky blue color which shades at the center to a golden throat. **Pkt., 10c; oz., 65c, postpaid.**

MORNING GLORY (Convolvulus Major)—One of the most free-flowering and rapid-growing annual climbers thriving in almost any situation. Height 10 to 15 feet. **Japanese Imperial—Pkt., 10c; oz., 20c.**

ALAMO VINE—Sometimes called Mile-a-Minute Vine. Is all that the name implies, as it often grows 20 feet a year. Illustrated in full color on inside front cover. **Pkt., 10c; 3 pkts., 25c; oz., 40c, postpaid.**

JAPANESE HOP VINE (Humulus)—It is a rapid climber and one of the best for covering verandas, trellises, unsightly fences, etc. Makes a heavy growth and does well in shade. **Pkt., 5c; ¼ oz., 15c, postpaid.**

MADERIA VINE BULBS—One of the best and most popular Climbers for foliage effect. Increases very rapidly. **Each, 10c; dozen, 90c, postpaid.**

MOONFLOWER (Evening-Glory Ipomoea)—Moonflowers are the most gorgeous and versatile of the climbing plants. It does well trained along the roof of a low house or veranda, and its blossoms are delightfully fragrant. If the seeds are notched they will bloom six weeks from sowing. Annual. **Giant Pink or White—Pkt., 10c; ¼ oz., 15c; oz., 45c.**

HYACINTH BEAN (Dolichos Lablab)—(Commonly known as Jack Bean)—A splendid climber with hyacinth-like clusters of flowers which are followed by exceedingly ornamental seed pods. Is of rapid growth and stands heat well but not the cold. Half hardy annual, 10 to 20 feet high. **Pkt., 10c; oz., 25c.**

SCARLET RUNNER BEAN (Phaseolus Multiflorus)—A tall twining plant, covered with crimson blossoms. As an ornamental vine over trellis, arbors, etc., very popular. Annual, growing 12 to 15 feet high. **Pkt., 5c; oz., 10c.**

Gourds

The dense foliage of the vigorous Gourd vine makes it useful for covering arbors, fences, slopes, or unsightly places.

CAVE MAN'S CLUB—Knobby, club shaped, dark green. **Pkt., 5c.**

DIPPER—Easily fashioned into a long handle dipper. **Pkt., 5c.**

LARGE VARIETIES MIXED—Pkt., 5c.

SMALL VARIETIES MIXED—Pkt., 5c.

The ornamental gourds are a decorative feature of any garden, and can be varnished when dried for indoor use.

Summer flowering Bulbs fill Many Garden Roles

Summer bulbs are taking a more important place in the garden each year. This is especially true of the gladiolus, everybody's flower, which may make the garden gay from July to frost by planting a week or ten days apart starting in early May.

ELEPHANT'S EAR (Caladium Esculentum)—Known to almost everyone. A number of stems come from a single bulb, growing 4 to 5 feet high, with a single leaf, which often measures 18 inches across. Caladiums require a lot of water, the more they get, the larger they grow. **Large bulbs, each, 35c, postpaid.**

CRINUM (Wine and Milk Lily)—A fine bulbous plant which produces flowers of great beauty. Usually two flower stalks are sent up at the same time, each bearing a large cluster of lily-like blooms. Flowers are white with a lavender-pink of reddish purple stripe through the center of each petal. It is not hardy, so bulbs should not be left outdoors during the winter. **Bulbs, each, 35c, postpaid.**

MONTBRETIA—They produce narrow, sword-like leaves and slender spikes of small funnel-shaped flowers. Because of the perishable nature of the blossoms, Montbretias are not good cut-flower subjects, but, grown in clumps or mass planting in the garden, each corm produces several flower spikes and provides a wealth of beauty over a long period. **Fire King Scarlet, 10c each; $1.00 doz.**

Tygridia

Zephyranthes

Montbretia

See Inside Back Cover for Other Spring Flowering Bulbs Illustrated in Color

TIGRIDIA (Shell Flower of Mexico)—Red, spotted yellow and purple. Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a well drained soil. Put a little sand under each bulb. They bloom from July until frost. Height, 3 feet. **Each 15c; doz., $1.50.**

ZEPHYRANTHES (Zephyr Lilies) (Rain Lily)—They produce narrow, strap-shaped leaves and funnel-shaped flowers borne erect on slender, hollow stems. The Zephyranthes is a beautiful and interesting subjects and deserves to be more popular, as it will be as more is learned regarding its habits. **Pink, 15c each; $1.40 per dozen.**

HYACINHHUS CANDICANS (Summer Hyacinths)—Stately plants, producing tall spikes of large, pure white pendent blooms during summer. Height, 4 feet. **Each, 15c; dozen, $1.60.**

Amaryllis Bulbs

JOHNSONII—Red. **Blooming size bulbs, each, 35c.**

NEW HYBRID—Each, 55c.

Tuberose Bulbs

SINGLE MEXICAN—Dozen, 60c, postpaid.

DWARF DOUBLE PEARL—Dozen, 80c, postpaid.

Make Your Garden the Family Recreation Room!

Plant Perfection Brand High-Germinating Grass Seeds

PERFECTION BRAND BERMUDA GRASS—Bermuda is a Southern grass. It delights in sunshine and warmth. It is very difficult to eradicate when once established. The seed should be planted in the spring. Seed requires 30 to 60 days to germinate. The seeding should not be done too early, as the seed will not germinate if sown before the weather and ground have become warm. **Lb., 60c, postpaid.**

PERFECTION BRAND BERMUDA GRASS—FANCY HULLED—Ordinary Bermuda seed is sometimes very slow to germinate. This year we are offering hulled Bermuda Seed which will germinate in a week to ten days. Do not plant before May as the soil must be warm for the seed to germinate. **Price on hulled seed, lb., 85c, postpaid. Write for quantity prices.**

PERFECTION BRAND RYE GRASS—Domestic grown seed. Used as a winter lawn and winter pasture. Planted on Bermuda sod during August or September at the rate of one pound to 100 square feet makes a fine green lawn during the fall, winter and spring, lasting until June. For pastures plant during August or September at the rate of 35 pounds per acre. **Lb., 20c, postpaid. Write for prices on large quantities.**

Simple Instructions in Planting Perfection Brand Grass Seed

In planting Bermuda or other small grass seeds it is best to have the land thoroughly cleaned and firm before planting. The seeds of grasses are so extremely small as to be able to come up through only a thin layer of soil. The covering of the seeds can scarcely be too shallow. The seeds may then be scattered over the land by hand, or by using a small hand seeder, such as is listed in this catalog. After sowing, a hand rake should be used, which will mix the seeds with the soil so they will be slightly covered, then keep ground wet by thorough sprinkling, until the grass comes up to a sufficient stand.

Enjoy the Charm of a Beautiful Lawn

This year millions of new gardens will be made . . . a natural follow-up to the big building and remodeling program undertaken last year. We are prepared to guide and counsel inexperienced gardeners and will be glad to serve them with highest quality plants, seeds, and equipment.

Because undernourishment is one of the most common reasons for poor results with lawns, flowers, shrubs, and trees, we recommend regular feeding with Vigoro, the square meal for all plants.

FEED WITH VIGORO COMPLETE PLANT FOOD

VIGORO PRICES

100-lb. bag	$4.00	10-lb. pkg.	$ .85
50-lb. bag	2.50	5-lb. pkg.	.45
25-lb. bag	1.50	1-lb. pkg.	.10

F. O. B. TULSA OR MUSKOGEE

Most plant experts consider manure more harmful than good for lawns. Large quantities of noxious weed seeds are broadcast in this way, and the lawn is an unsightly mess for months after the first application. Use a complete plant food instead.

Hydrated Lime

An occasional application of Hydrated Lime on the lawn will correct acidity in the soil. Acid soils are usually caused by constant sprinkling and very often in shaded places of the lawn will be found a surface growth of green moss. Hydrated lime will correct this by simply being applied on the surface and sprinkled. It loosens up heavy soils and prevents packing, baking and cracking. It promotes the normal decay of organic matter in the soil. It requires about one-half as much Hydrated Lime as any other form of lime to produce same results. **Price for 10-lb. pkg., 20c each; 40-lb. bags, 45c.**

PERENNIAL PLANTS FOR SPRING DELIVERY

During Spring months we will have a stock of the following:

Digitalis or Fox Glove
Hollyhocks Chaters Double
Aquilea or Columbine Long Spurred
Canterbury Bells
Anthemis Kelways Yellow
Alyssum Sapitile Compactum
Cherianthus Siberian Wallflower
Hardy Blue Salvia
Pyrethemum Persian Daisy
Dianthus Plumarius
Sweet William
Linum Perenniale Flax
Stokesia Cyanea Cornflower Aster
Rudbeckia Purpurea Coneflower
Shasta Daisy
Correopsis
Gallardia
Hardy Ageratum

Prices quoted on request.

Prices Quoted on **Request**

Now! California Grown Roses

Certified Quality—Root Wrapped

We have a limited amount of large, thrifty California grown Roses in the following varieties at 60c each.

E. G. Hill
Red Radiance
Editor McFarland
Pink Radiance
Joanna Hill
Mrs. P. S. Dupont
Pres. Hoover
K. A. Victoria

No Mail Orders Accepted

Don't let spring get too far advanced before reseeding the bare spots in the lawn, and applying plant food.

Early morning is the best time to sprinkle the lawn. A thorough wetting is best; it promotes deep, healthy roots in contrast to the shallow root system of grass lightly sprinkled.

INOCULATE ALL LEGUME SEEDS WITH

NITRAGIN

1898—FORTY-FOUR YEARS OF SERVICE—1942

When ordering, Always state name of seed.

ALFALFA, all Clovers

Size	Retail
½ bu. each	$ .30
1 bu. each	.50
2½ bu. each	1.00

PEAS (All Varieties) VETCHES (All Varieties)

½ bu. each	$ .25
1 bu. each	.35
1⅔ bu. each	.50
12½ bu. each	3.50

BEANS String, Wax, Kidney

½ bu. each	$ .25
1 bu. each	.35
1⅔ bu. each	.50

LESPEDEZA

Size	Retail
Small (Inoculates up to 50 lb. seed)	$ .35
Large (Inoculates up to 100 lb. seed)	.50

SOYBEANS, LIMA BEANS, COW PEAS, PEANUTS

Small, (Inoculates up to 120 lb. seed) $ .30
*5 bu. each 55
25 bu. each 2.50
(*One can*)
*30 bu. each 3.25
(6-5 *bu. cans*)

GARDEN SIZE
Garden Peas & Beans
Sweet Peas & Lupines
Enough for 6 lbs. seed
Retail Price 10c each

*The 30 bu. size as listed above is a carton which contains six 5 bu. size cans.

Perfection Brand High Tested Farm Seeds

INNOCULATE
Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Peanuts and all other Legumes
See Page 20

INOCULATE ALL LEGUMES WITH NITRAGIN The Original Legume Inoculator

Alfalfa

ALFALFA is the most profitable crop by far grown in Kansas, Oklahoma, Texas, New Mexico, Arizona, Colorado, Idaho, Utah, Wyoming and Nebraska. No other crop on a twenty-year average produces nearly as many dollars per acre as does Alfalfa.

Cultivation is very simple, the essentials being well drained soil, at least eight feet to permanent water, shallow planting, thorough harrowing and packing.

PERFECTION BRAND ALFALFA SEED is the highest grade of American grown seed, testing 99.50 per cent pure. **Per lb., 45c, postpaid; by freight or express, lb., 40c; 10 lbs., $3.50.** Write for special price in quantities.

A Field of Perfection Brand Alfalfa

Clover

WHITE CLOVER—For lawn purposes this is very desirable on account of its creeping stems. It spreads rapidly and acts as a binder; very hardy; in permanent pastures is of considerable value. **Lb., $1.20, postpaid.**

HUBAM CLOVER—This is an annual white flowering sweet Clover. Owing to the fact that it blooms the first year from seed, it is used quite extensively for bees. It is also used for pasture and hay. Plant at the rate of 15 to 20 pounds per acre. **Per lb., 35c, postpaid.** Ask for quantity prices.

RED CLOVER—The most important and best known of all clovers, being used for pasture, hay, and enriching the land. For the latter purpose, it is considered the cheapest fertilizer known. **Lb., 40c, postpaid; by freight or express, lb., 35c; 10 lbs., $3.00.**

KOREAN LESPEDEZA—This variety makes a larger growth than ordinary Japan Cover. 15 to 24 inches, single plants having a spread of 3 ft.; has larger leaves; furnishes pasturage about three weeks earlier. The strong root growth penetrates about 8 inches deep, making it highly drouth resistant, and thriving on poor, wornout soils where alfalfa and clovers would fail. Its feeding value is about equal to Alfalfa; has no woody stem; holds its leaves well, and produces a full crop the first season. When sown alone broadcast 10 to 15 pounds per acre, during late freeze after a light harrowing, but do not cover the seeds. **Per lb., postpaid, 25c; 10 lbs., $2.00.** Write for prices on quantities.

YELLOW HOP CLOVER—It is a very valuable winter and spring clover, and reseeds abundantly. It responds well in increased growth to an application of phosphates, as do all winter legumes. Sow 4 to 8 lbs. per acre. **Lb., 65c, postpaid.** Ask for quantity prices.

Soy Beans

Soy Beans are very erect, growing with from one to six stems or more, branching out from the roots and reaching a height of 1½ to 3½ feet; seldom falling down, except in very rich, loose soil. Soy Beans are a remarkable drouth-resister, and will do comparatively well on thin land; however, they respond very readily to moisture and rich land. Planting should not be done until the weather is warm and after the corn planting.

Sweet Clover

Sweet Clover is a crop that is hardy; defies wet and drouth; never winter kills, and will grow on land that will not produce Alfalfa. Many wet, waxy soils are being farmed unprofitably by other crops that would produce a large crop of Sweet Clover, and furthermore, Sweet Clover will turn that poor land into land that will, within four or five years, be nearly 100 per cent better for any other crop that the farmer wants to put there.

Sweet Clover has long, deep roots that permit water and air to penetrate to the lower levels of the soil and thus greatly aids the mechanical condition of the soil. As Sweet Clover is a legume it increases the nitrogen content of the soil. Wheat, Corn or Alfalfa grown on a field following Sweet Clover are greatly improved. Yields of 10, 15 and 25 per cent increase are not at all uncommon.

Sow in the spring. It takes about twenty pounds of hulled seed to the acre. White or yellow, **20c per lb., postpaid.** Write for prices in quantities.

We have good stocks of Yellow and White Sweet Clover, hulled and scarified. **Prices gladly quoted on request.**

LAREDO SOY BEANS (Plant 15 pounds per acre)—A very small black bean and recognized as one of the best hay varieties. One of the good features of the Laredo, is that it can be planted earlier than other varieties with the assurance of getting good germination, as the seed will stand more abuse from weather than any other Soy Bean. Laredo is medium early and a good grain yielder; it is bad about shattering and must be harvested when ready or a loss will result. Matures in 120 to 130 days. Yield around 2 tons per acre. Ask for prices when ready to buy.

VIRGINIA SOY BEANS (Plant 20 pounds per acre)—A small brown seeded variety. Early. Will make hay in 60 to 80 days. Matures in 100 to 120 days. A very good grain yielder, but shatters badly when ripe. Should be harvested for seed while foliage is still on stalk in order to avoid loss. Ask for prices when ready to buy.

MAMLOXI—Is erect in growth, upright, very prolific yielder of beans, and very fine for combination with corn and soil building. Rather late in maturing. A good crushing variety. **Ask for prices.**

MACOUPIN—An early yellow variety which has a high oil content. Matures in 110 to 115 days. In eastern Oklahoma last year the harvest started last of August and was completed in early September. This is an ideal variety to plant when you want to follow up with winter grain crops. **Ask for prices.**

Cutting Clover

Laredo Soy Beans

Mung Beans

Mung Beans

Mung Beans bid fair to outrival anything yet discovered as a hay, forage and soil improving crop. Mung Beans are drouth resistant and have made wonderful crops of hay and forage where cow peas and soy beans have been killed off completely by the blistering and withering heat of an extended summer's drouth.

Mung Beans mature about fifteen days earlier than Soy Beans and Cow Peas and invariably have produced larger tonnage of hay and forage as well as large production of beans. Grows 4 to 6 feet tall and is one of the finest soil improvers discovered. 2 lbs. of Mung Beans will produce about 2 tons of cured hay. Requires about 4 lbs. per acre. Plant in rows about 3½ feet apart and 2 to 4 inches apart in the rows.

GREEN SEEDED—Lb.. 15c; 10 lbs., $1.25, postpaid.

GOLDEN OR YELLOW SEEDED—Lb., 20c; 10 lbs., $1.60, postpaid.

Prices

Field Seed prices fluctuate considerably and for this reason we do not quote quantity prices in our catalogue. We issue a field seed price list throughout the planting season with lowest market prices and we will be glad to mail list on request.

Sunflower

MAMMOTH RUSSIAN—Produces very large heads, which are completely filled with the striped grains. It succeeds everywhere, and requires very little rain to insure a good crop. It makes a good food for stock and cannot be equaled as a food for poultry. Plant when the ground has become warm at the rate of 22 pounds to the acre. **Lb., 35c, postpaid; by freight or express, lb., 30c; 10 lbs., $2.00.**

Peanuts—Mammoth Jumbo

Field or Cow Peas

THE GREAT SOIL IMPROVER—Makes poor land rich; makes good land more productive; also makes a splendid and nutritious green forage or hay crop, enriching the soil even when the crop is cut off. Cow Peas make one of the largest yielding and most nutritious crops grown. There is also no surer or cheaper means of improving and increasing the productiveness of the soil and it is really considered more economical and the best way is to cut off the crop of vines and cure them as a forage or hay crop and then turn under the stubble and roots. Even when the crop is cut off, the land is left in very much better mechanical condition and the productiveness very much increased over what it was before the crop was grown.

BLACK-EYED PEAS—A very fine table pea much in demand by market gardeners. Pods are of good size and the peas are crowded in the pod. **Lb., 25c, postpaid.**

NEW ERA—Probably the best sort for the West and North; can be sown after the wheat is taken off the ground and still produce a good crop of forage peas, besides increasing the fertility of the soil for the succeeding crop, and leaving the ground mellow and free from weeds. Ask for prices.

WHIPPOORWILL PEAS—A favorite in the South generally. A vigorous, healthy grower, yielding an abundant crop of forage and grain. Write for prices.

CREAM CROWDER PEAS—It is not only one of the earliest to mature, but also makes a large and vigorous growth, and is one of the most prolific and best for edible peas, both for home use and market. The size of the pea is large and they are of most delicious flavor when cooked, and preferable for table use to other varieties. This also makes a quantity of vine. **Price, lb., 30c, postpaid.**

BROWN SUGAR CROWDER PEAS—One of the most valuable varieties for table use. Heavy bearers of the finest quality. **Lb., 25c, postpaid. By freight or express, lb., 20c; 10 lbs., $1.50.**

GALLAVANT OR LADY—The peas are small in size, of very fine flavor; superior in qualities to the Black-Eyed Peas. Very prolific. **Price per lb., 25c, postpaid. By express or freight, lb., 20c; 10 lbs., $1.50.**

A Field of Perfection Brand Cow Peas

Peanuts

Culture—Prepare the ground well, laying it off in rows, with a shovel-plow; the rows should be 3½ feet apart, and put two kernels to the hill, which are about 1 foot apart. Cultivate thoroughly, and keep the land as level as possible. Three-fourths of a bushel of unshelled nuts will seed an acre.

MAMMOTH JUMBO—This variety grows to an astonishing size. The plants make compact bushes about 18 inches high, with heavy, erect stalks and large leaves. The giant nuts have thick, heavy-ribbed shells. **Lb., 30c, postpaid.** Write for prices in quantities.

TENNESSEE RED—The finest variety grown. Especially adapted to the black waxy land, as well as the sandy soil. The nuts contain three large kernels in each pod, and are enormously productive. **Lb., 20c, postpaid.**

SPANISH—In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive. They grow more compact than the Virginia peanuts, making it possible to grow them closer, making cultivation easier also.

Fall Planting

During the fall months we have large stocks of selected high quality Seed Rye, Rye Grass, Crimson Clover, Burr Clover, Seed Wheat, Winter Barley (both bearded and beardless), Hairy Vetch, Austrian Winter Peas, Hungarian Vetch, Alfalfa, Red Clover, Timothy, Red Top, Orchard Grass, Meadow Fescue, Kentucky Blue Grass.

If interested in seeds for fall planting, we will appreciate your inquiries.

Seed Oats

Most Oklahoma oats are very poor quality this past year and good seed oats are scarce. We have good stocks of the following varieties and it will pay you to buy our fine stock early. They are free from Johnson grass.

FERGUSON No. 922—A bred up, rust resistant type of red oats. This variety has led most other varieties for yielding qualities at the Arkansas Experiment Station. Our stock is exceptionally fine. Bright seed, measuring 41 pounds per bushel. Arkansas grown.

FULGRAIN No. 3—Grown in southeast Missouri from Coker's pedigreed seed. Made 60 bushels per acre the spring of 1941. This is good, bright, heavy stock measuring 40 pounds per bushel. This variety is ten days earlier than the ordinary red oats.

Ask for prices and samples.

NEW IMPROVED CERESAN. A low cost disinfectant dust for Wheat, Oats and Barley. See page 31.

Lawn seeding and feeding will be one of the earliest spring tasks. Get your order in for seed and plant food and make arrangements to borrow a roller to smooth over the rough spots caused by winter heaving.

We are large dealers in Cow Peas and are in a good position to quote you attractive prices in lots of one bushel to a carload. Write us. If you have Peas to sell, send us a sample, stating quantity you have to offer. Make up and send us your order early.

A Single Plant of Rape

Dwarf Essex Rape

Sow 5 to 7 pounds per acre. As a healthy fattening food it has no equal. It stands without a rival in point of cheapness and feeding qualities. It is an annual, bearing a close resemblance in leaf and stalk to the rutabaga, but both leaves and stalk are more numerous in the rape plant and of a taller habit of growth. Dwarf Essex Rape thrives best on a good soil rich in vegetable matter. Slough lands are excellent. It is the simplest crop grown. It can be sown anywhere and everywhere at all times after danger of frost has passed.

It may be sown in early spring to provide summer pasture for stock. Plow the ground same as for turnips, and sow 5 pounds per acre broadcast.

Special prices on large quantities. **Lb., 35c, postpaid. By freight or express, lb., 25c; 10 lbs., $2.25.**

Winter Legumes for Fall Planting

Hairy Vetch **Hungarian Vetch**
Crimson Clover **Southern Burr Clover**
Austrian Winter Peas

FOR WINTER PASTURE—Plant Winter Rye Grass during September. Rye Grass is the fastest growing grass known. Makes more pasture than Wheat, Rye, Oats or Barley. Lasts up to latter part of June, when if given a chance will reseed itself, starting to grow again when fall rains set in.

RYE GRASS also makes a fine green fall, winter and spring lawn sown on Bermuda sod or as a new lawn. We issue a special circular in August on Winter Legumes and Rye Grass and will be glad to mail copy on request.

Perfection Brand Seed Corn

Ohio Grown Corn

All early varieties. For early maturing corn and for uplands we recommend our Ohio grown Seed Corn.

	Per Pk.	Per Bu.
Early Yellow Dent	$ .70	$2.50
Early White Dent	.80	2.75

Oklahoma Grown Corn

For main crop. Hand picked, butted and tipped.

	Per Pk.	Per Bu.
Reid's Yellow Dent	$ .75	$2.00
Silver Mine	.75	2.00
Red Mexican June	.75	2.00
White Mexican June	.75	2.00
Yellow Mexican June Select	.75	2.25
Southwestern Yellow Dent	.75	2.00

Popcorn

Culture—Popcorn is a very profitable crop, yields well even in unfavorable seasons and there is most always a good market for it. Plant at rate of 3 to 4 quarts per acre in drills 3 feet apart, dropping seed 1½ feet apart in the rows. Or plant in hills, using 4 to 6 pounds of seed per acre. Cultivate the same as field corn. May be planted with regular corn planter, using special plates.

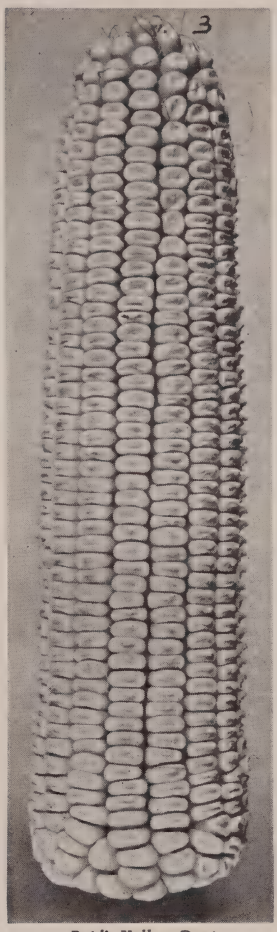
SOUTH AMERICAN LARGE YELLOW—Our stock of this variety is grown in Ohio especially for seed purposes. If you grow pop corn for the market plant Ohio seed as it is the true rounded seeded type that is in demand by the poppers. **Price, 25c per pound; 5 lbs., $1.10, postpaid.**

Be sure to treat your Corn Seed with Semesan Jr. See page 31.

Buckwheat

Buckwheat is used mostly for filling fields unplanted after the first of June. The blossoms furnish a large amount of honey for bees. It is well to remember that on worn-out soils a plowed-under buckwheat field is a great fertilizer and improver. Sow 25 lbs. to an acre.

JAPANESE—A popular and standard sort. Very large grains of dark brown color; early and heavy-yielding. Choice recleaned seed. **Lb., 15c; 10 lbs., $1.30, postpaid.**



Reid's Yellow Dent

Perfection Brand Saccharine Sorghum

(For Forage)

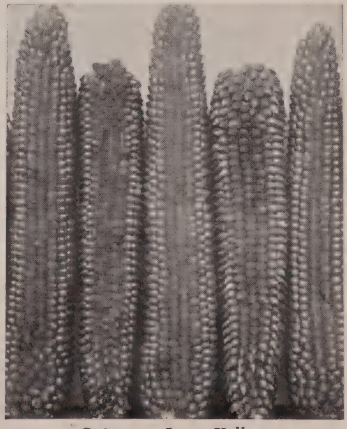
Early Orange

JAPANESE HONEY DRIP CANE

While this variety is grown extensively for syrup, it is an ideal sort for silage, when a large tonnage per acre is desired. Usually grows 10 to 12 feet tall, producing 60 to 100 gallons of fine flavor syrup per acre. Our stock was grown especially for us from high bred seed. **Lb., 30c, postpaid.**

EARLY ORANGE—Matures a grain crop in 100 to 120 days. It is later than the Amber. Its stalks are heavier and shorter than the Amber. Its forage quality is first-class. It is very valuable for ensilage. One of the heaviest producers of ensilage of the entire sorghum family. Fodder quality.

RED TOP or SUMAC—In our opinion this is the best variety for forage or dry hay. The stalks are much smaller than either of the Amber or Orange varieties. It requires 130 to 140 days to mature a seed crop. We do not recommend this variety for ensilage as strongly as we do the larger stalk varieties, but many of our customers say it makes very excellent ensilage. There is no better quality for forage than the Red Top. It will remain sweet and wholesome until late in May of the year following harvest.



Popcorn—Large Yellow

Perfection Brand Grain Sorghums

A Field of Perfection Brand Hegari

Darso

DARSO is low growing, heavily foliaged, and has a large stalk which is usually tinged with red. It is remarkable for its uniformity in height and uniformity in shape and color of heads. The stalks are sweet and juicy, and chemical analysis of grain shows that the composition is very similar to that of Kafir. Darso matures earlier than Kafir, which fact has much to do with its drouth resistance. Darso makes excellent silage, and can be used for grain, forage or silage crop. **Lb., 20c, postpaid.**

German Millet

Makes a large yielding and most nutritious hay crop, quick growing and easily cured. **Lb., 15c, postpaid. Ask for quantity prices.**

OUR FIELD SEEDS ARE ALL OF VERY HIGH QUALITY

There are several grades of field seeds on the market and prices differ according to grade. Be careful when buying, especially when you see seeds offered for considerably less than market value. **ASK FOR PRICES WHEN YOU ARE READY TO BUY**

A Field of Perfection Brand Kaffir

Kafir

KAFIR—The uplands of Kansas, Oklahoma and Texas will give much better cash returns when planted to Kafir, because when ground for feed, gives practically the same feeding value as corn. It does not require very much Kafir seed an acre when drilled in rows 3½ feet apart. 2 to 4 pounds of seed to the acre is all you will need. If you want to sow the seed broadcast or drill it with a drill for fodder, use 50 to 75 pounds per acre.

DWARF BLACKHULL WHITE KAFIR—Lb., 20c, postpaid.

Hegari

HEGARI—A new grain or forage crop similar to both White Kafir and Feterita. It is more desirable for grain than either, as the bad qualities of both have been eliminated. Feterita shells out pretty badly, and Hegari will not shell. Feterita is soft and pithy, while Hegari is solid and sound and with plenty of blades. Its dwarf habit of growth, 4 to 5 feet in height, and compact heads of large white grains make it very attractive. Hegari also produces large crops of grain. The stems are rather sweet and horses and cattle eat the stalks, fodder and grain if permitted to do so.

ARIZONA GROWN HEGARI—Registered stock, well recleaned and of high germination. **Per lb., 20c, postpaid. Ask for quantity prices.**

Atlas Sargo

ATLAS SORGO—Has a sturdy, leafy stalk abundantly juicy and sweet. The heads are fairly compact, somewhat cylindrical in shape with short branches well filled with white seed similar in size and shape to kafir. Grows to a height of 7 to 10 feet and requires from 120 to 130 days to mature. Atlas is noted for its resistance to lodging, superior quality of grain, high yield and excellence of forage. Selected seed grown from Certified stock, **lb., 15c, postpaid.** Certified Seed, **lb., 20c, postpaid.** Write for quantity prices.

Milo Maize

COLBY—Is an early, dwarf straight-necked variety that exerts its head well above the leaves. It was developed at the Colby Branch Experiment Station from a cross between Early White Milo and Dwarf Yellow Milo. Colby Milo is recommended for a quick maturing variety. **Lb., 15c, postpaid. Ask for quantity prices.**

Field Seed prices fluctuate considerably and for this reason we do not quote prices in our catalogue. We issue a field seed price list throughout the planting season with lowest market prices and we will be glad to mail list on request.

Perfection Brand Mangel Wurzel or Stock Beet

Mangel Beets

Culture—Plant early in the spring in drills two or three feet apart and cover the seed about 1½ inches. Cultivate frequently. When about three inches high begin thinning and continue at intervals until roots stand 8 inches apart in the row. One ounce will plant 100 feet. 6 to 8 lbs. per acre.

DANISH SLUDSTRUP—A very high yielder. Roots long oval, orange colored; flesh white with faint yellow tinge. **¼ lb., 25c; lb., 85c, postpaid.**

Use 2% CERESAN for disinfecting seed of kaffir, hegari, cane, etc. See page 31.

Don't relax in the campaign against bugs.

Keep after the weeds. A few licks now will finish them for the season.

Perfection Brand Pasture Grasses

SUDAN GRASS—The heaviest-yielding, most drouth-resisting hay grass ever introduced. Sudan Grass combines all the good features of Johnson Grass and has none of the objections. Sudan Grass is sown in the spring, as soon as danger of frost is past, either broadcast or in rows so that it can be cultivated. If in rows, 3½ feet apart, 5 to 6 pounds to the acre will be required; if sown broadcast, 15 to 20 pounds. It stools freely and often from 80 to 100 plants may be found coming from one seed. As a drouth-resister, it has no equal, and may be depended upon when all other grasses succumb to dry weather. It may be mowed or cut with binder; the latter method is preferred, as Sudan Grass cures admirably well in shocks. **Lb., 25c, postpaid.** Write for prices in larger quantities.

Write for lowest market prices when ready to buy.

KENTUCKY BLUE GRASS—An excellent pasture and lawn grass, succeeding best on limestone land, but does well on stiff or clay soils. It is rather sensitive to heat, but not to cold weather, and on this account does best in the spring, fall or winter. Sow in the fall or spring at the rate of 2 or 3 bushels to an acre. **Lb., 50c, postpaid.**

For lawns, sow 1 lb. to 150 square feet, Kentucky Blue Grass is adapted to shady spots, but as our soils lack lime it is advisable to use pulverized limestone at least once a year at the rate of 3 to 4 pounds per 100 square feet.

MEADOW FESCUE—Commonly called English bluegrass, produces a fairly good sod and withstands pasturing very well. It is grown chiefly in the region north of the cotton belt. It is best adapted to fertile and moist soils, rather than poor uplands, and does fairly well in the shade. Meadow fescue is used mostly in mixtures, and is valuable for supplying pasturage while slower growing species are being established. It has a limited adaptation in northeastern Oklahoma, and provides grazing during cooler season. When grown alone it is seeded at the rate of 15 pounds per acre. **Per lb., 60c, postpaid.**

RED TOP—Grows well in all soils, whether sandy, thin, dry lands or rich, wet soils. It is one of the most satisfactory grasses that can be sown; a fine pasture grass and is well suited for meadows. It sends out shoots at the base that take root at every joint, forming a dense thick sod. Sow 10 pounds to the acre. **Lb,. 30c, postpaid.**

BUFFALO GRASS—A wonderful pasture and has produced 100 pounds of meat to the acre on tests made in Noble County. It is highly palatable and its value as a winter pasture makes it particularly adapted to the grass lands of Oklahoma. It is called one of the hard grasses because when it cures in the fall, it makes a hay of high quality, differing in this respect from the tall grasses such as little blue stem. Buffalo Grass, being a low growing grass, is also suitable for lawns. **Price per pound, $3.00.**

BLUE GRAMMA GRASS—Blue Gramma perhaps occupies second place as a pasture grass in the western part of the state. It is a factor in many pastures in eastern Oklahoma. **Price per pound, 35c, postpaid.** Write for quantity prices.

SEASIDE BENT GRASS—(Certified)—It is a creeping variety forming close mat-like sward and is very desirable for putting greens. Does well in moist situation, making a rapid growth of fine texture. **Price, lb., $1.10, postpaid.**

ORCHARD GRASS—This is one of the most valuable and widely known of all pasturage grasses, coming in early in the spring and remaining green later in the fall than any other. It grows about 2½ feet high, producing an immense quantity of leaves and forage. Sow 1½ bushels to an acre, either spring or fall. **Lb., 60c postpaid.**

Orchard Grass

Sudan Grass

SPECIAL DIRECTIONS ABOUT SOWING—Nearly all grass seeds are very small and will not come up satisfactorily unless put in properly, and again, most planters will not use enough seed to the acre. The soil should be thoroughly prepared by deep breaking and thorough harrowing until a smooth bed is made, and the ground should be settled before sowing. After sowing the seed, very little covering should be given with a brush or harrow that will cover it lightly. If the weather is likely to be dry, the ground should be pressed over the seed, so as to bring the seed in close contact with the soil to hold the moisture until the seeds get a good start.

Sow More Permanent Mixtures of Grasses and Clovers

Write and tell us about your land. We will quote you on your requirements.

The Planter's Guide

NUMBER OF PLANTS REQUIRED TO THE ACRE

Distance Apart	No. of Plants
1 foot by 1 foot	43,560
1½ feet by 1½ feet	19,360
2 feet by 1 foot	21,780
2 feet by 2 feet	10,890
2½ feet by 2½ feet	6,969
3 feet by 2 feet	7,600
3 feet by 3 feet	4,840
4 feet by 4 feet	2,722
5 feet by 4 feet	2,178
5 feet by 5 feet	1,742
6 feet by 6 feet	1,210
8 feet by 8 feet	680

AVERAGE TIME REQUIRED FOR GARDEN SEED TO GERMINATE

Beans	5 to 10 days
Beet	7 to 10 days
Cabbage	5 to 10 days
Carrott	12 to 18 days
Cauliflower	5 to 10 days
Corn	5 to 8 days
Cucumber	6 to 10 days
Endive	5 to 10 days
Lettuce	6 to 8 days
Onion	7 to 10 days
Peas	6 to 10 days
Parsnip	10 to 20 days
Parsley	15 to 21 days
Pepper	9 to 14 days
Radish	3 to 6 days
Spinach	7 to 12 days
Salsify	7 to 12 days
Tomato	6 to 12 days
Turnip	4 to 8 days

NUMBER OF PLANTS PRODUCED FROM AN OUNCE OF SEED

Asparagus	About 300
Cabbags	About 2,000
Cauliflower	About 2,000
Celery	About 3,000
Egg Plant	About 1,000
Endive	About 3,000
Kale	About 2,000
Lettuce	About 3,000
Pepper	About 2,000
Tomato	About 3,000

TIME REQUIRED FOR MATURITY OF DIFFERENT GARDEN CROPS RECKONED FROM DAY OF PLANTING THE SEED

Beans—String	45 to 65 days
Beans—Shell	65 to 75 days
Beets—Table	65 days
Beets—Stock	150 days
Cabbage—Early	105 days
Cabbage—Late	150 days
Cauliflower	110 days
Corn	70 to 120 days
Egg Plant	150 to 160 days
Lettuce—Heading	65 days
Melon—Water	120 to 140 days
Melon—Musk	120 to 140 days
Onion	135 to 150 days
Pepper	140 to 150 days
Radish	30 to 40 days
Squash—Summer	60 to 65 days
Squash—Winter	125 days
Tomato	125 to 150 days
Turnip	60 to 70 days
Spinach, Av. Time	45 to 65 days

QUANTITY OF SEED TO SOW A SINGLE ROW OF 100 YARDS

Asparagus	8 ozs.
Beans, Bush	6 lbs.
Beans, Lima	3 lbs.
Beans, Pole	3 lbs.
Beet	3 lbs.
Broccoli	3 ozs.
Brussels Sprouts	3 ozs.
Cabbage	2 ozs.
Carrots	3 ozs.
Cauliflower	3 ozs.
Celery	3 ozs.
Corn	1 lb.
Cress	4 ozs.
Cucumber	4 ozs.
Dandelion	3 ozs.
Egg Plant	1 oz.
Endive	2 ozs.
Leek	3 ozs.
Lettuce	2 ozs.
Melon, Musk	2 ozs.
Melon, Water	2 ozs.
Mustard	4 ozs.
Okra	3 ozs.
Onion (for large bulbs)	2 ozs.
Parsley	2 ozs.
Parsnips	2 ozs.
Peas	6 lbs.
Pepper	1 oz.
Pumpkin	2 ozs.
Radish	6 ozs.
Rhubarb	3 ozs.
Salisify	3 ozs.
Spinach	6 ozs.
Tomato	1 oz.
Turnip	3 ozs.
Kohl Rabi	3 ozs.

Miscellaneous Items for Every Garden Need

Royal Seeders

They have demonstrated that they are the most accurate and economical machines for sowing Clover, Timothy, Alfalfa and other small seeds broadcast. They run easily, and sow evenly in windy weather. The quantity of seed sown is accurately governed by the wheel, which moves correspondingly slow or fast as the machine runs over the ground. This seeder has a strong steel wheel 32 inches in diameter, with an inch and a quarter by one-quarter inch steel tire, is operated by a device that engages the wheel close to the hub. It is instantly thrown out of gear, and the amount of seed sown is quickly governed by changing a screw in the index. This seeder does not injure or bunch the seed, but evenly distributes it the full length of the hopper.

12-ft., Single Hopper for Alfalfa, Clovers, Millet, Timothy. **Each** **$12.75**

16-ft., Single Hopper for Alfalfa, Clovers, etc. **Each** **14.75**

14-ft., Double Hopper for Blue Grass, Red Top, Orchard Grass, Alfalfa, Clovers, etc. **Each** **15.75**

"Cyclone" Seed Sower

THE CYCLONE SEEDER—Sows all kinds of grain and seeds perfectly—oats, cow peas, millet, etc. **Each, $2.25, postpaid.**

THE VIGORO TREE AUGER IS A GOOD INVESTMENT

When you buy a Vigoro Tree Auger you get a tool that makes simple the process of feeding trees and shrubs. It is an investment in increased growth and beauty. In addition, it is valuable for other purposes where earth or similar materials are to be bored.

The Vigoro Tree Auger is 2 inches in diameter and 40 inches long, overall. High grade auger steel is used for it, and it is properly heated to give long years of service. It is provided with a substantial hardwood handle, and the ample overall length of the tool makes it possible to bore to proper depths without getting into an uncomfortable position at any time. **Each, $3.25.**

Sod Spiker

There is an easy way to keep your lawn green. In nine out of ten stubborn lawns the basic fault is packed, waterproof soil. Invariably this brings weeds, moss, barrenness and other faults with it, but these cannot be corrected until the sod is made porous. Water, fertilizer and air have to reach the roots to do any good. When sod is made porous, grass roots begin to extend deeper. They no longer have to stay near the surface to breathe or to get water or food. A deep, tough turf results, which absorbs all the fertilizer and water it receives, and starves them. It needs far less attention. It chokes out weeds. The **Sod Spiker** is the Scientific Lawn Aerator.

Price each, $1.75.

Masters "Handi-Cart"

Replaces the clumsy, awkward wheelbarrow. Built extra strong to stand overloading and abuse. Metal body, rubber tires. Can be used for grass cuttings, leaves, trash, sand or gravel.

No. 1—2 cubic feet capacity, **$4.90 each.**

No. 2—3 cubic feet capacity, **$6.90 each.**

Plantcubator

Is constructed of wood with the following dimensions, 26½ inches long, 15⅞ inches wide, 7½ inches deep. It has a Vimlite flexible glass cover which opens on hinges. The Plantcubator holds 84 individual collapsible seedling compartments. Each compartment measures 2 x 2 x 2½ inches. When set up and filled with potting soil seeds can be sown directly into each compartment, thereby eliminating much waste of seed. In addition to seed germination the PLANTCUBATOR can be used for rooting cuttings, starting roots and bulbs.

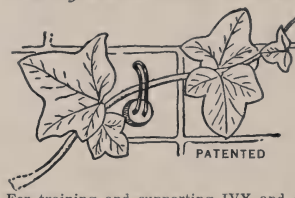
Price, $3.00.

THE NEW HANDY PLANT-TIE

'Twist-ems' are dark green strong tapes with wire reinforcing that make perfect plant ties. Quick, Permanent, Attractive, Convenient. For Nurseries, Estates, and Amateur Gardeners. For Plants, Shrubs, Vines, and arranging of Flowers.

Pkg. of 250, 8-inch size, 45c; box of 250, 6-inch size, 40c.

Wayward Vine Guide



For training and supporting IVY and other vines on brick, stucco, stone and cement walls, without defacing. No nails. No holes.

Per box of 25, 90c, including cement.

Germāco

Hotkaps

An amazing invention—crop INSURANCE. A revolutionary device that saves farmers much in time, labor and money. **Carton of 1,000, $10.50; 5,000 at $9.65 per 1,000. Trial package of 100 with Papier Mache Setter and Steel Tamper, $2.40 each. Package of 250 with Papier Mache Setter and Steel Tamper, $3.65 each. Steel Setter and Tamper, $1.50. Papier Mache Setter, 50c each. Steel Tamper, each 25c.**

New size HOTKAP Home Garden Package consists of 25 HOTKAPS complete with sturdy cardboard setter for **50c.**

Swaggerette Gloves

The handiest glove ever made for all household and garden chores. Latex coated fabric. SWAGGERETTES are completely waterproof, dustproof and snagproof; they also insulate the hands against heat while canning, preparing hot vegetables, and when placing wood on open fires at home or on picnics. Made of soft, sturdy, comfortable fabric processed with a selected quality of latex rubber.

Price per pair, 60c.

"KNEEZIES"

Afford the knee protection every gardener needs. They're bubble-filled rubber, strong, light, flexible, washable and moistureproof. Easy to slip on and off.

Price per pair, $1.10

Dirt-Proof, Washable

GARDEN GLOVES

ALL LEATHER
DURABLE
EXTRA SOFT
Easy to Wear
—for Men and Women

Eezy Wear gives you everything you want in a garden glove: **all-leather** protection from dirt, scratches, stains, infection—yet permit almost BAREHAND FREEDOM. Their amazing **softness** and **pliability** are the result of a special processing of select lamb skins. Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for **gardening, housework, painting, furnace, garage,** etc.

Sizes for WOMEN (small, medium, large) and MEN (small, medium, large). Price, 75 cents a pair, postpaid.

NATIONAL Eezy Wear GLOVES

Use Fertilizer for Bigger and Better Crops

Swift's Red Steer Fertilizers Are

Physiologically Neutral and Non-Acid Forming
In tests and in practical use this kind of fertilizer gives best results.

Swift's Fertilizers are Double Mixed and thoroughly blended.

We can quote attractive prices on one bag to a carload. The following are carried in stock:

	Nitrogen	Phosphate	Potash
RED STEER	4%	8%	6%
RED STEER	4%	8%	10%
RED STEER	4%	12%	4%
SUPER PHOSPHATE		20%	

Prices gladly quoted on request.

SULPHATE OF AMMONIA—Used for its nitrogen. Very desirable for all plants in which leaf development or rapid growth is desired. **Lb., 5c; 25 lbs., $1.00; 100 lbs., $3.25.**

ALUMINUM SULPHATE—For creating acid condition in the soil. **Lb., 10c; 25 lbs., $1.25.**

AMMO-PHOS—16½% Nitrogen, 20% Phosphate. **Lb., 10c; 25 lbs., $1.35.**

NITRATE OF SODA—A fertilizer very quick in action and hastens the maturing of crops. **Lb., 10c; 25 lbs., $1.40; 100 lbs., $4.25.**

BLOOD MEAL—Lb., 10c; 25 lbs., $1.25; 100 lbs., $4.50.

MURIATE OF POTASH—Used for its ability to increase fiber development in plants, to hasten maturity and to increase the size and weight of all root crops. **Lb., 10c; 25 lbs., $1.25; 100 lbs., $4.00.**

RAW BONE MEAL—An excellent dressing for garden crops and flowers. Supplies phosphates. **Lb., 10c; 25 lbs., $1.25; 100 lbs., $4.00.**

Prices subject to change without notice. Write for prices on larger lots.

Sheep Manure

Is a highly concentrated weedless manure uniformly pulverized. It is safe and highly dependable for home lawns and gardens. For lawns, use 6 to 10 lbs. to 100 square yards and rake into surface soil. For gardens mix a handful under each new plant, more for shrubs. For old plants, use 12 lbs. per 100 square feet.

Price: 25 lbs., 70c; 50 lbs., $1.25; 100 lbs., $2.25; 500 lbs. at $2.15 per 100 lbs., f.o.b. cars, Tulsa.

ADCO

(Registered Trade Mark)

Mixed with leaves, cuttings, vines, weeds, straw, cornstalks, etc., ADCO converts them into rich, real manure, sanitary, odorless, and free from weeds. This artificial manure is real manure, not a mere compost. It is fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, etc. The process is perfectly simple and not at all laborious.

Home Gardeners, by using their refuse, can now have plenty of manure at low cost and little trouble.

Farmers, by utilizing straw, corn stalks, etc., can secure their manure without the expense and labor maintaining live-stock.

Vegetable Growers can turn back into their soil as rich manure the stalks, cuttings, vines, leaves, etc., heretofore wasted.

Florist, Nurserymen and Fruit Growers can convert leaves, etc., into valuable fertilizer for their plants, trees and bulbs. **7½-lb. carton, 90c; 25-lb. bag, $2.25.**

Peat Moss in the Garden

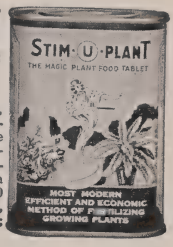
Soils which are not naturally good, because of too much sand or gravel, which lack life and vigor, or are stiff, hard clay, difficult to work, cold and uncongenial, can readily be corrected by the addition of generous quantities of granulated peat moss.

Peat moss is harmless. It will not burn or injure the plants, regardless of the amount used; it is also odorless, pleasant to work with and when used as a mulch, adds to the neatness and attractiveness of the garden.

For lawns, for preparing the soil for garden beds, seed flats, greenhouse benches, for rooting cuttings, as a summer or winter mulch peat moss is a ready and efficient aid, truly. Nature's gift to gardeners. **Per bale of 6 cubic ft., $2.25; large bale, 12 cubic ft., $3.95 each.**

Free Booklet Mailed Upon Request.

STIM-U-PLANT Plant Food in Tablet Form



Feed your house plants, roses, flowers, shrubbery, vegetables the modern way, with Stim-U-Plant. Absolutely reliable, economical, clean and odorless. **Prices: 10 tablets, 10c; 30 tablets, 25c; 100 tablets, 75c; 1,000 tablets, $3.50.**

Perfection Brand Supplies

Wire Hanging Baskets

For porch, sun parlor, or anywhere else inside or out. Just the basket for ferns, trailing vines. Attractively finished in green enamel.

No. 648—8 inches in diameter. **25c each.**

HANGING BASKET HOOK—10-inch projection. **15c each.**

SHEET MOSS dyed green for lining baskets. **$1.00 per pound.** Requires about one-half pound to a basket.

Flower Pots and Saucers

All sizes, 2-inch up to 12-inch
Ask for prices.

Cypress Plant Tubs

Cypress tubs are the most durable wood when exposed to dampness and heat. They are hooped with electric welded wire hoops over which wire staples are driven to prevent slipping. Painted green.

	Inches Top Diameter	Inches Bottom Diameter	Inches Deep
No. 2	12	9	11
No. 3	14	11	13
No. 4	16	13	13

Price No. 2 ..... $1.00
Price No. 3 ..... 1.35
Price No. 4 ..... 1.50

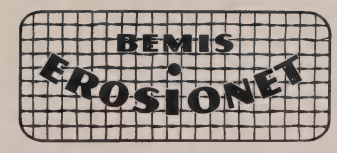
Complete stock of Standard and Azalea Red Pots from 2-inch to 5-inch. White Pots from 6-inch to 12-inch.

Prices quoted on request.

Bamboo Plant Stakes

Dyed Green
For staking Mums, Dahlias, etc.

Length	Diam.	Per Doz	Per 100	Per 1,000
3 ft.	¼ to ½ in.	15c	$ .95	$7.50
4 ft.	¼ to ½ in.	20c	1.00	8.00
5 ft.	¼ to ½ in.	25c	1.25	10.00



How to Grow a Hardy Lawn with One Seeding

Use **BEMIS EROSIONET** for new lawns, weak lawns and stubborn terraces.

Bemis Erosionet is a strong, economical open-mesh fabric made of tightly twisted, paper twine. When placed over any seeded surface, its ¼-inch square mesh forms millions of tiny dams which catch and hold the seed and sod firmly in place. Thus, damaging "washouts" from heavy rains are effectively checked without cutting off the sunlight.

Erosionet also catches and holds moisture. It helps overcome seed losses and lawn disappointments from poor germination. Erosionet never presents an unsightly appearance, clovers and grasses soon rendering it almost invisible. Bemis Erosionet is rot-resisting and can easily be removed when the grass becomes 2½ inches high. If you are planning a new lawn, or having difficulty with your present lawn or terrace, try Bemis Erosionet. This comes in 45-inch widths and **price is 10c per yard; 100 yards at 9c per yard.**

WEATHERPROOF METAL PLANT MARKERS

The slip-over cap seals in and protects your markings. Your writing will not fade out. Made of durable metal finish with baked enamel and washes like a dish. Will last for years. Face of marker looks up at you. Easy to read. **12 for $1.00; 25 for $2.00; 50 for $3.75, postpaid.**

Paper Flower Pots

Every grower of plants, large or small, can cut his growing costs by using Paper Flower Pots.

Size	Per 100	Per 1,000
2 -inch	$ .50	$ 4.00
2½-inch	.55	4.50
3 -inch	.75	6.00
3½-inch	1.00	8.50
4 -inch	1.25	12.00
5 -inch	2.00	19.00

Wood Veneer Plant Bands

Easy to open, stapled, ready for use. Packed in paper cartons, 1,00 in a carton. These are not chemically treated, so there is no danger of root injury. Crops whose value depends on how quickly they can be gotten to market are sure to be two or three weeks ahead. The use of plant bands makes it much easier to handle and transplant to the open field.

Size in inches	Per 100	Per 1,000
1¾x1¾x2½	40c	$2.45
2x2x2½	45c	2.85
2½x2½x3	50c	3.00
3x3x3	55c	3.25
4x4x4	65c	4.75

Plant Labels

Made From Port Orford Cedar
For trees, pots and gardens.

	Per 100	Per 1,000
Tree Labels, Copper Wired, 3½ in.	40c	$2.50
Pot Labels, 11/16 x 4 in.	35c	2.25
Pot Labels, 11/16 x 5 in.	40c	2.40
Garden Labels, 1 in. x 10 in.	90c	7.25

Insecticides and Fungicides

Kill the Peach Tree Borer by Using Santochlor

The borer feeds actively in the fall, spring and summer months, and lies dormant in the winter. It attacks the soft inner bark usually just beneath the ground and sometimes along the larger roots. The presence of these pests is indicated by masses of gum mixed with brown frass or "sawdust" exuding from the injured trunk. One treatment per year, preferably in the fall, will usually be sufficient protection. Santochlor penetrates the burrows of the borers. It is fatal to insects but harmless to man or beast unless taken internally. **1-lb. pkg., 40c; 5 lb., $1.00; 10 lb., $1.90; 25 lb., $4.50.**

Bee Supplies

LEWIS BEEWARE
DADANT FOUNDATION

The Standard of the Bee-Keeping World. We carry a complete line in stock and will be glad to mail catalogue on request.

"DOGZOFF"

Protects Your Evergreens, Trees, Shrubs and Plants from Dogs, Cats, Moles and Rabbits

There is nothing offensive to humans about DOGZOFF. Sprayed directly underneath evergreens, DOGZOFF repels dogs without any harm to the dogs, or the trees and shrubs themselves. **3 oz. pkg., 60c. Postpaid, 75c.**

ROTECIDE

The Standard Rotenone Spray

For safety as fell as efficiency, we recommend use of a Rotenone Spray, such as **ROTECIDE**, because it is non-poisonous as well as more effective for insect control.

Kills Ants, Aphis, Cabbage Bugs and Worms, Caterpillars, Cucumber Beetles, Leaf Hoppers, Mealy Bugs, Midge, Mites, Red Spiders, Lugs and Chafers, Thrips, Tomato Worms, White Fly and many others.

1-oz. bottle, 35c; 8-oz. bottle, $1.00; pint can, $1.75.

NICO-ROTE

NICOTINE ROTENONE

The Superior Spray Combination

Is a scientific blend of the two most powerful insect poisons, Nicotine and Rotenone. For years Nicotine has proven its effectiveness as a contact poison in addition to its volatile action. Rotenone is highly recommended and endorsed by governmental agencies as the most powerful stomach and contact insect poison. Nico-Rote gives the grower three effective methods of insect destruction: Contact, stomach poison, by fumes.

6-oz. bottle, $1.00; quart can, $4.00; gallon can, $12.00.

Tree Wound Paint

Antiseptic Tree Wound Paint will stop bleeding and prevent infection of pruned or damaged portions of tree. Very adherent and lasting. **Half pint can, 40c each; Pint cans, 70c each; postage extra.**

Trowbridge Grafting Wax

Is the best known Grafting Wax on the market. It is used for grafting, budding, top working, etc., of all kinds of fruit, ornamental trees, shrubs and vines.

1 lb. pkg. ..... **$ .50**
½ lb. pkg. ..... **.30**

"43" for the Tree (Plastic)

(A Scientific Tree Surgery Compound)
1-lb. pkg., 25c; 2-lb. pkg., 45c; 10-lb. pkg., $1.50.

A cut or broken limb soon becomes diseased and the tree quickly dies. But let "43" work for you. Simply remove any decayed wood and fill the wound with this antiseptic, healing preparation. Anyone can quickly and easily doctor their trees.

"43" for the tree is a black plastic material composed of about 18 ingredients recognized as an aid to expert tree surgery work. It makes easy the natural growth of the tree as it conforms rather than binds the limb or trunk. "43" forms a waterproof dressing over the wound and checks disease.

Will not sag or run but is light in weight and remains firmly in place. Can be applied all months of the year.

Verdol

SUMMER SPRAY OIL

Oil sprays are being used to an increasing extent for the control of certain insects on evergreens. The pests that are becoming most troublesome in evergreen plantings, are red spider and pine leaf scale. Verdol has proved highly effective at 1% concentration for red spider control. At this strength it may be used at any time during the summer. **Half pint jars, 20c each; pints, 35c each.** Ask for quantity prices.

Dendrol

Dendrol Dormant Spray is a carefully refined, highly specialized soluble (miscible) oil for the specific purpose of killing insects attacking trees and shrubs. Dendrol is easy to use. It pours readily in any weather, mixes easily with any water, disperses freely to form a stable, milk white emulsion of uniform density, and has high covering power. Especially recommended as a dormant spray for San Jose and Oyster Shells scale. **1 gallon cans, $1.15.** Ask for quantity prices.

KRO—Kills Rats Only

Ready mixed—contains most attractive rat bait known, mixed with red squill powder, ovendried under the special "Connable Process." **6-oz. pkg., 35c; 24-oz. pkg., $1.00, postpaid.**

B-K Powder

Dairy Bactericide—Poultry Disinfectant

B-K Powder is a fast acting chlorine bactericide containing 50% available chlorine and is a very economical source of chlorine. B-K Powder solutions are used for treating dairy utensils and milk plants to kill bacteria.

For poultry it is used as an aid in preventing spread of diseases by contaminated equipment and drinking water. B-K Powder is used as a dry expectorant dust. It is applied by means of a dust gun over the heads of baby chicks and adult birds infected with colds, simple bronchitis and infectious bronchitis.

9½-oz. pkg. makes 1 gallon for 75c; 28-oz. pkg. makes 3 gallons for $1.50.

Dog Skat

Keep dogs, cats and other animals away from trees, evergreens, roses, shrubbery, etc. Tube releases vapor offensive to animals, but not noticeable to humans. **Large tube, 30c each; small tube, 15c.**

ROHM & HAAS CO.'S PRODUCTS

Cuprocide-Standard Yellow

CUPROCIDE YELLOW—Seedling protection. Control of damping-off at ground surface level.

Spray or sprinkle seed bed with Cuprocide Yellow immediately after planting. Cuprocide-treated seed and once more before seedlings appear. Use ½ ounce per gallon. Apply 1 pint of mixture per square foot.

TOMATOES—For control of blight and leaf-spot. Tests over several seasons have shown that a cuprous oxide spray does not cause increased transpiration or blossom drop to as great an extent as does Bordeaux Mixture. Thus the vigor of the plants and the set of fruit is not affected so adversely by Cuprocide Yellow as by the commonly used spray material.

POTATOES—For control of blight.

CUCUMBERS, MELONS, ETC.—For control of wilt and mildew.

ANNUAL AND PERENNIAL FLOWER PLANTS—For control of mildew and leaf spots on such plants as Phlox, Stocks, etc.,

CUPROCIDE YELLOW leaves little visible residue. This and its safety make it exceptionally desirable on these plants.

ROSES—For control of mildew and black spot. The most effective remedy that we have ever handled. Used by the Park Board on the Rose Garden in Woodward Park.

Use 4 ounces CUPROCIDE YELLOW in 100 gallons of water containing 1 pint emulsified YELLOW and 1 teaspoonful cottonseed oil to each gallon of water.) Apply once a week. Start spraying as soon as leaves appear, as Black Spot is easier to prevent than control.

CUPROCIDE YELLOW—3 lb. pkg., $1.50; per lb. pkg., 75c; case lots of 16 3-lb. pkgs., 45c per lb.

Self Emulsifying Cotton Seed Oil

For use with Cuprocide 54Y—**Pint, 45c;** quart, **80c; ½ gallon, $1.35; 1 gallon, $2.30.**

Grow Better Roses

TRI-OGEN

All-purpose spray

Roses that are permitted to become afflicted with insects and fungus diseases will lose their vitality and will not yield beautiful blooms.

If your roses have the scientific protection of **TRI-OGEN,** neither insects nor the dreaded Black Spot or Mildew will harm or defoliate them.

TRI-OGEN not only protects roses against all fungus diseases and insect pests, but it stimulates vigorous plant growth and assures healthy green foliage and luxuriant blooms.

. . . it is the most revolutionary discovery ever made in the history of rose culture. It is the most highly recommended product of its kind.

TRI-OGEN PROTECTION IS COMPLETE. No other spray is required. Therefore, it has been found to be the most economical spray for roses. Moreover, it is a great labor saver.

PRICES

A. Small Kit (makes 16 quarts) ..... **$ 1.50**
B. Medium Kit (makes 64 quarts) **4.00**
C. Large Kit (makes 32 gallons) **6.00**
D. Estate Kit (makes 128 gallons) **20.00**

A Product of OGEN Laboratories and Experimental Gardens

Insecticides and Fungicides—Continued

SHERWIN-WILLIAMS DRY LIME-SULFUR — "The Original Dry Lime-Sulfur." A superior lime sulfur spray for the control of San Jose Scale, Peach Leaf Curl, Peach Blight, Peach Twig-Borer, Apple and Pear Scab and Apple Powdery Mildew; also against Red Spiders, Rust Mites and Citricola Scale of citrus fruits.

SHERWIN-WILLIAMS PRUNING COMPOUND—An effective durable tree wound dressing for use on fruit and shade trees. Does not injure the bark and aids in preventing the entrance of fungous and bacterial diseases.

SHERWIN-WILLIAMS ARSENATE OF LEAD—Well known for its superior adhesive and spreading qualities. A standard remedy for chewing insects of orchards and small fruits, vegetables and tobacco. Kills insects quickly without injury to fruit or foliage.

Green Arsenate of Lead

Now an Arsenate Lead that does not leave a white residue on your plants. Slightly higher in price than the old type. **1 lb. carton, 50c each; 4 lb. bags, $1.00 each.**

SHERWIN-WILLIAMS ROSE-AID — For dusting roses and all kinds of flowers for control of Mildew, Black Spot and other diseases and leaf eating insects. **1-lb. pkg., 50c.**

SHERWIN-WILLIAMS PARIS GREEN—An old reliable brand which results in quick death to the Potato "Bug," Sugar Beet Web Worm, Tobacco Worm, Cut Worm, Army Worm and Grasshopper.

Acme Spray Soap

A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Also used extensively with cylinder oils in making oil emulsions to reduce the surface tension.

Prices: 1 lb., 30c; 5 lbs., $1.25, postage extra.

Spray peaches, plums and nectarines with dry lime sulphur in December and February. This will prevent curly-leaf and other fungus.

SHERWIN-WILLIAMS FUNGI-BORDO—A quality product superior to home-made Bordeaux Mixture. Properly balanced in copper sulphate and lime content and having superior suspension, adhesive and spreading qualities. Recommended against Blotch, Bitter Rot and Anthracnose of Apples, Apricot Brown Rot, Cherry Leaf Spot, Black Rot of Grape, Strawberry Leaf Spot, Celery Blight, Tomato Leaf Spot, Blight and Leaf Hoppers of Potatoes.

HAMMOND'S SLUG SHOT—Slug Shot, used from ocean to ocean. A light composite, fine powder, easily distributed by duster, bellows or in water by spraying. Thoroughly reliable in killing currant worms, chicken lice, slugs, sow bugs, bugs on cantaloupes, cucumbers, etc., and it is strongly impregnated with fungicides. Packed in cartons of 1 lb. each with perforated top to dust out. **25c each; 5-lb. bag, 85c; 25-lb. bag, $2.75.**

SOW BUG AND CUT WORM BAIT—Is highly effective for control of these pests because it combines several materials which constitute that natural food of cut worms and sow bugs along with the killing agent. **8-oz. pkg., 25c; 1-lb. pkg., 50c.**

TOBACCO DUST—For green and black aphis, fleas, beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots. For insects on plants, apply with powder-duster or bellows; for worms or grubs in the soil, apply liberally to the surface and rake or strew thickly in drills before planting. **Price, lb., 10c; 10 lbs., 60c; 25 lbs., $1.25.**

BLACK LEAF 40—The insecticide so highly recommended by Experimental Stations. Destroys aphis (plant lice), thrips, leaf-hoppers on all trees, bush and vine fruits, vegetable, field crops, flowers and shrubs, without injury to foliage. You cannot go wrong by ordering Black Leaf 40 for sucking insects. **Price, oz. (makes six gallons spray), 35c; 5-oz. pkg., $1.00; 2 lbs., $3.25.**

CYANOGAS DUST—Calcium Cyanide is now well established with rapidly increasing demand. It is the most remarkable insecticide developed in many years. It controls greenhouse insects of all kinds; ants, chinch bugs, fleas, aphids, bed bugs and many others. Rats, moles, woodchucks, prairie dogs, ground squirrels, etc. Cyanogas A Dust is a powder and when pumped in a rat hole releases a deadly gas. The dust particles travel underground, releasing the gas as they go and the rat has no chance as the gas reaches wherever he runs. **Price: ½-lb. pkg., 45c; 1-lb. pkg., 75c; 5 lb. pkg. for $3.00.**

TREE TANGLEFOOT—A perfect safeguard for trees and vineyards against Gypsy, Brown Tail, and Tussock Moth Caterpillars, Canker Worms, Cut Worms and Ants, and other creeping insects. It will remain exposed to the weather. One pound makes 12 to 15 lineal feet of band. On matured fruit trees and all shade trees is applied directly to tree trunks; on young fruit trees over strips of Manila Paper. **5-oz. pkg., 35c; 1-lb. pkg., 70c; 5-lb. pkg., $3.25 each.**

DESTRUXOL—An efficient contact and fumigating spray containing cyanide and nicotine. Requires no spreader, mixing readily with water. Harmless to plant life and especially desirable for spraying food crops being made ready for market, since it is highly evaporative and fruits and vegetables can be marketed after spraying without the necessity of washing. Sprayed on the borders of premises, it affords an excellent repellent against the nuisance of dogs. **1-oz. bottle, 35c; 4-oz. can, 90c; 8-oz. can, $1.55.**

SUPER DESTRUXOL EMULSION—A stable oil emulsion containing free nicotine. Controls insect life by suffocation and penetration as well as by contact. Especially effective against Mealy Bug, Red Spider and Scale, as well as Aphis and Thrips. **8-oz. bottle, 45c; 1-quart can, $1.25.**

FUNGUSOL EMULSION—An insecticide and fungicide combined in one material; effective for the control of Mildew, Rust, Black Spot and other fungus infestations as well as Aphis, Thrips, White Fly, etc. These combined qualities make it a perfect spray for roses and other plants especially susceptible to fungus diseases. **4-oz. bottle, 45c; 8-oz. bottle, 65c; 1-pint bottle, $1.00.**

KOPPERSOL—A straight fungicide without the insecticidal qualities. Unsurpassed in combatting fungus infestations such as Rust, Mildew, Black Spot, Tomato Wilt, Fungus Brown Patch on lawns and similar infestations. **8-oz. bottle, 50c; 1-pint bottle, 90c; 1-quart bottle, $1.35.**

LAWN-A-GEN—For the control of subterannean insect life such as Nematodes, Root Aphis, Ground Mealy Bugs, Wire Worms, Centipedes and Sow Bugs. This is the only etherized product containing copper, and therefore successful in checking fungus infestations apt to follow injuries done to the roots of plants by underground insects. Also effective in preventing Damping Off in seed beds, and in ridding garden areas of Ants. **4-oz. bottle, 60c; 8-oz. bottle, 90c; 1-pint bottle, $1.50.**

CALSUL—A stable emulsion combining lime and sulphur and oil. Can be used wherever lime and sulphur is desirable, but with finer results. Excellent for a winter clean-up spray, eliminating Scale as well as the overlap of insect life and fungus spores. Successful in the prevention of Curly Leaf on peaches and Blight on shade trees. **1-quart can, 70c; 1-gallon can, $1.65.**

BORER-SOL—A non-oil ether emulsion for eliminating Borers from trees, shrubs and plant life in general. Can be diluted and poured around the base of the plant during the winter or early spring when the adult Borers are in the ground; or it can be painted (undiluted) on the surface where the borers are in the tree or shrub during the growing season. **4-oz. bottle, 30c; 8-oz. bottle, 50c; 1-pint bottle, 90c.**

PREMEER POWDER—A powder combining Pyrethrins with Lactic Acid and other materials for the control of CHEWING INSECTS such as Squash Bugs, Harlequin Bugs, Diabrotica, Beetles, Caterpillars, etc. It can be readily mixed into spray material and thus eliminate chewing insects at time of spraying for other infestations. **3½-oz. can, 35c; 1-lb. bag, 90c.**

Insecticides and Fungicides—Continued

EVER-GREEN
KILLS ANTS AND GARDEN INSECTS

Non-poisonous general garden insecticide.

1-oz. bottle ..... **$ .35**

6-oz. bottle **1.00**

Postpaid

Derris Dust 5% Rotenone

For warbles on livestock. Mix:

1 lb. Derris Dust
1 gallon water
2 oz. Ivory soap.

Wet down back of stock and repeat in thirty days.

Price, per pound ..... **$ .50**

5 lb. lots **2.25**

Postage extra

Perfection Spray

General contact spray for aphids, red spider, thrips, midge, mealy bugs, leaf hoppers and white fly. Not to be used on tender annuals during hot weather.

2-oz. bottle, 25c; 8-oz. bottle, 75c.

Poisoned Wheat

Sure death to rats, mice, gophers and moles. Put a little of the wheat in a box, pan or saucer in a convenient place where the rats, mice, etc., can find it; they will do the rest.

2-oz. pkg., 15c; 5-oz. pkg., 30c; 15-oz. pkg., 60c.

Hammond's Weed Killer

Destroys weeds, poison ivy and all vegetation. Highly concentrated, stands dilution with 40 parts of water.

Paths, roadways, borders, gutters, etc., can be kept free from wild grass, vines, etc., by the use of Hammond's Weed Killer. It can be used to clean up areas which have become overgrown. A few rains wash the ground clean and it is then ready for cultivation. **Quart cans, 50c each; 1 gallon cans, $1.25 each.**

SULPHUR—Fine ground for dusting vegetable and flower plants. **Lb., 10c; 5 lbs., 35c; 10 lbs., 60c.**

WETTABLE SULPHUR—An extra fine prepared sulphur. Mixes readily with water in combination with Lime, Arsenate of Lead, etc., and stays in suspension. **Lb., 10c; 5 lbs., 40c; 10 lbs., 75c; 50-lb. bag, $3.25.**

HYDRATED LIME—For mixing with sulphur in making Lime-Sulphur solution. **10-lb. bag, 20c; 40-lb. bag, 45c.**

KAYSO—The original spray spreader. Use 1 pound to 100 gallons of spray solution. **Per lb., 25c; 5 lbs., $1.10.**

TOBACCO DUST—1% Nicotine. For round worms in poultry use 2 pounds per 100 pounds of mash. Also is used as a dust for lice on plants. **Lb., 10c; 5 lbs., 40c; 10 lbs., 75c.**

Carbon Disulphide

Used for Controlling Weevil in Peas, Beans, Grains, Etc.

Method of Treating—Put seeds to be treated in an air-tight container, as a water barrel, strong goods box or metal container. For treating small lots, 2 oz. of Carbon Disulphide per bushel is sufficient. Full directions on package.

Caution—Keep away from open fires—such as lanterns, matches, etc.

Price: 8-oz. Bottle, 35c

Pomo-Green

(With Noctine)

Controls diseases, leaf-eating insects and Aphis, Rose Aphis, Nasturtium and Sweet Pea Aphis, Japanese Beetle, Leaf Roller, Web Worm, Tent Caterpillar, Flea Beetle, White Fly, Rose Midge, Red Spider, Mealy Bug, Rose Black Spot, Rose Mildew, Rose Canker, Dahlia Mildew, Zinnia Mildew, Hollyhock Rust, Snapdragon Rust, and many others.

One pound cans, 75c each; five pound can, $3.00 each.

GET IN PLENTY OF INSECT AMMUNITION . . . YOU WILL NEED IT EARLY AND OFTEN.

Reg. U. S. Pat. Off.

TRANSPLANTONE

A Vitamin-Hormone Stimulant for Plants

Invigorates Old Roots—Multiplies New Roots
Reduces Wilting

Reduces Loss in Transplanting

TRANSPLANTONE is a water soluble powder containing Vitamin B-1, plus certain plant hormones which are active in root formation. The hormone initiates or forms roots while the Vitamin B-1 chemicals are necessary for their continued growth. **1-oz. can, 50c; 3-oz. can, $1.00; 1-lb. can, $4.00.**

FRUITONE

The Hormone Spray for Stopping Pre-Harvest Apple Drop

With the use of **FRUTONE**, apples can be held on the three longer so that they attain a higher color and a better size. **2-oz. cans, $1.00, makes 25 gallons of spray; 12-oz. cans, $5.00, makes 150 gallons of spray.**

ROOTONE

Reg. U. S. Pat. Off.

ROOTONE is a root-forming stimulant when applied to seeds, cutting and bulbs. It is a powder, and gets its root-forming activity from the synthetic plant hormones or growth substances which it contains. It is not a fertilizer or plant food. It is easy to use. **ROOTONE** stimulates the natural tendency for roots to form on slips or cuttings, so that rooting takes place in much shorter time, heavier root systems are formed, and fewer cuttings die from disease. **¼-oz. pkg., 25c; 2-oz. jar, $1.00; 1-lb. can, $5.00.**

We will gladly quote you prices on Strawberry Boxes and Crates.

Two Great Pest Controls

1. **ANTROL**—For sweet-eating ants—the kind that infest the house and are frequently seen on plants and trees. This is a complete system adapted to any size house, composed of small glass containers and special Antrol syrup. The containers are partially filled with syrup and then placed about the outside edges of the house. Ants smell the mildly poisonous syrup, eat it and then transmit it to their queen. Soon the entire ant nest is destroyed.

ANTROL SYRUP for refilling, 4-oz. bottle, **20c each.**

ANTROL SYRUP, pint bottles, **50c each.**

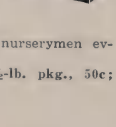
NOTE—Enough containers and syrup should be purchased to place one container every 15 feet around the house and along ant "trails" in the garden.

Two Types of Antrol Sets

REGULAR consists of 4 water and dirt-proof glass containers and one 4-ounce bottle of Antrol Syrup, enough for two complete fillings. **Price: 60c per set.**

READY-FILLED consists of 4 special glass "feeders" filled with regular Antrol Syrup. **Price: 40c per set.**

Any number of Antrol Ready-Filled Feeders may be purchased separately at **15c each.**



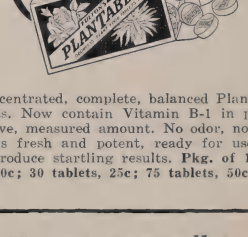
2. **SNAROL**—For snails, cutworms, slugs, grasshoppers, sow bugs, earwigs and other garden pests.

This is a ready prepared meal that you simply broadcast about the garden on the ground under the vegetables. The pests eat this meal and are quickly destroyed. Rains and sprinkling do not lessen the efficiency of Snarol.

Also SNAROL is non-injurious to vegetation.

Indorsed by gardeners and nurserymen everywhere for best results.

Prices: 1-lb. pkg., 25c; 2½-lb. pkg., 50c; 6-lb. pkg., $1.00.



Concentrated, complete, balanced Plant Food Tablets. Now contain Vitamin B-1 in proper, effective, measured amount. No odor, no mess. Always fresh and potent, ready for use, and will produce startling results. **Pkg. of 10 tablets, 10c; 30 tablets, 25c; 75 tablets, 50c, postpaid.**

Vitamin B-1 Pellets

In Shake-a-Drop Bottles

Package 10 1-milligram pellets makes 200 gallons, **25c.** Package 100 1-milligram pellets makes 2,000 gallons, **$1.00.**

We Specialize in Seed Disinfection

New Improved Ceresan

A low cost disinfectant dust for Wheat, Oats and Barley. Controls certain seed-borne diseases. Is easily applied. **4-oz. can, 30c; 1-lb. pkg., 80c; 5-lb. pkg., $3.40.**

2% Ceresan

A dust disinfectant for Cotton, Millet, Peas and Sorghum. **1-lb. pkg., 75c; 5-lb. pkg., $3.30; 25-lb. pkg., $15.00.**

Booklets on Seed Disinfectant mailed on request.

New Improved Semesan, Jr.

For Field and Sweet Seed Corn

The organic mercury dust disinfectant for the control of Diplodia, Gibberella and Basisporium root rots; also for the prevention of seed rotting of early planted corn. Is quickly and easily applied, is harmless to the seed and does not appreciably slow up the rate of planter drop or prevent accurate planting. **Prices—1½ oz. pkt., 15c; 1 lb., 75c; 5 lbs., $3.00.**

Semesan

For Vegetable and Flower Seeds and Bulbs

The chlorophenol mercury disinfectant for combating many diseases carried on seeds, bulbs, corms, roots, or tubers of flower, vegetable and nursery crops. Reduces seed rotting and damping-off of seedlings. Applied either as a liquid or as a dust. Used as a liquid treatment for controlling "Brown Patch" of lawn and golf green grasses. **Prices: ⅛ oz. pkt., 10c; 2 oz., 40c; 1 lb., $2.50; 5 lbs., $11.40.**

Semesan Bel

For White Seed Potatoes

The organic mercury dip disinfectant for the control of scab and Rhizoctonia carried on seed white potatoes. Quick, easy dip treatment that eliminates labor and loss of time required by 1½ or 2-hour soak treatments. One pound treats from 60 to 80 bushels of seed potatoes at the cost of 1½ to 3 cents per bushel. **Prices—2 oz. pkg., 30c; 1 lb., $1.65; 5 lbs., $7.15.**

Garden Implements, Sprayers and Dusters

Hudson Garden Plows

The No. 446 Plow is a sturdy, well built tool at a moderate price. Tool equipment consists of Cloverleaf Sweep for surface cultivation, Double Pointed Shovel for deep cultivating, trenching, etc., and Combination 5-tooth Cultivator and Scuffle Hoe. Handles are seasoned hardwood, reinforced at tips to prevent splitting. Attach directly to wheel axle, bushing at this point permitting handles to be drawn tight without binding wheel. Tool standard is adjustable for pitch of tool and height of handle. Wheel 24 inches with 1¼-inch tire. No. 446 Plow, **price, each $3.50.**

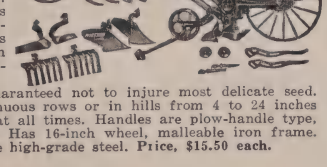
SOMETHING TO REMEMBER WHEN YOU BUY A SPRAYER— Can you get extra parts on short notice? We carry a complete line of parts for the Hudson Sprayer.

Hudson Plow Attachments

For Any Standard Make of Garden Plow

G230	Landslide Plow	**40c each**
G231	Clover Leaf Sweep	**35c each**
G232	Double Pointed Shovel	**30c each**
G236	Combination Hoe and Cultivator	**65c each**
G245	5-Tooth Cultivator Attachment	**90c each**

Hudson Seeder and Cultivator



As a seeder, this machine opens furrow, drops seed, closes furrow, packs earth and marks next row—all in one operation. By removing seeding parts, machine becomes double or single wheel cultivator, rake or plow.

Very accurate. Seed regulator entirely of brass, die-cut instead of cast or molded. This important feature makes the Hudson Seeder outstanding in operation and results obtained. Sows any seed from beans down to smallest garden variety.

Has brush force feed, guaranteed not to injure most delicate seed. Adjustable to sow in continuous rows or in hills from 4 to 24 inches apart. Seed flow is visible at all times. Handles are plow-handle type, adjustable to suit operator. Has 16-inch wheel, malleable iron frame. Hoes, shovels and plows are high-grade steel. **Price, $15.50 each.**

2½ GALLON HUDSON JUNIOR SPRAYER—OPEN TOP

The Hudson Junior is a high-pressure sprayer for whitewash, water paints, insecticides, etc. Tank is riveted and soldered at all seams. Handle and top are malleable. Equipped with high-pressure spray hose, brass extension, automatic shut-off and angle nozzle. Various nozzle discs are furnished for various kinds of work.

Price, brass tank, $7.50; galvanized tank, $4.50.

The New Open Top Perfection Sprayer

Tanks: 7½ inches diameter, 21 inches high; capacity full 4 gallons. Made from prime galvanized or copper sheets. Copper is recommended for Copper Sulphate, Blue Vitrol and other corrosive solutions. Top seam electric welded, side and bottom seams riveted, all heavily soldered. Tested to 100 pounds pressure.

Pump: 1¾x15½ inches; seamless brass tubing. AIR-PAK plunger. Cylinder screws into top cap, easily removed. Perfection air valve, all brass. Malleable "D" handle. Entire pump is securely locked for operation by means of **Hudson Eccentric-Type lock.** Quickly and easily released. Impossible to remove pump before pressure is exhausted.

Discharge Equipment: 27 inches ⅜-inch high pressure spray hose. All brass perfection shut-off, easily operated under any pressure. Two-foot brass extension with ¼-inch tapered thread. All brass nozzle adjustable for any position. Adapted for any spray from fog to solid stream.

No. 210G Perfection Open Top. Galvanized tank. **Each, $6.50.**

No. 210B Perfection Open Top. Copper tank. **Each, $10.00.**

Hudson Spray Hose

Is a specially moulded hose built for handling a continuous working pressure of 250 pounds. Inner lining is specially compounded to withstand action of spray chemicals. **Per foot, 15c; 10 ft. for $1.25; 25 ft. for $2.50.**

Garden Implements, Sprayers and Dusters (continued)

It is necessary to be prepared to fight any and all kinds of insects, blight, fungus growths, blotch, bugs, and other destructive pests. This may be accomplished by possessing a sprayer capable of performing the work you find it necessary to do. We sell many dozen of Standard spray pumps each season, and the demand for Compressed Air Sprayers is increasing each season.

No. 36 S. Hudson Sunshine Sprayer

Specially recommended for Whitewash, Cold Water and Cement Paints. Short, compact construction permits its use in narrow greenhouse rows and in close quarters. Also adapted for spraying small orchards, vineyards, truck gardens, berry bushes, etc.; for whitewashing and disinfecting poultry houses, dairy barns, hog pens, spraying stock dips and poultry remedies, treating ornamental shrubbery, flowers and lawns. Its high pressure and easy portability adapt it for work of all kinds. Its sturdy construction enables it to be used on hillsides and uneven ground without danger of tipping.

Specifications

Pump. 126SA Moro, lever operated, easily removed for cleaning. Bronze ball valves accessible without dismantling. Fitted with non-clogging tubular brass screen which provides a strainer area 15 times greater than usual types. Special dasher agitator cleans screen thoroughly at each stroke of pump, permitting use of solution 25 to 33⅓ per cent more concentrated.

Tank. Heavily galvanized sheet steel, capacity 12½ gallons. Reinforced top edge.

Frame. Heavy channel steel with steel cross braces. Handles have shaped grips.

Wheel. 16 inches diameter, 2-inch tire. Light, strong and sturdy. Runs on steel bushing.

Discharge Equipment. 6 feet of ⅜-inch high pressure spray hose, 3-foot brass extension, brass angle spray nozzle and Perfection automatic shut-off.

Price—Each, $14.00.

Hudson Trombone Sprayer

Trombone Sprayers are made in two sizes. They are all brass, developing a uniform high pressure and continuous discharge. Handle all solutions. May be used with an ordinary bucket or pail, half barrel or tank.

No. 123—Cylinder, ¾ inch diameter, 19 inches long. Develops up to 80 pounds pressure. **Price, each, $3.75.**

No. 133—Cylinder 1⅛ inch diameter, 20 inches long. Develops up to 100 pounds pressure. **Price, each, $4.75.**

Hudson Ideal Sprayer

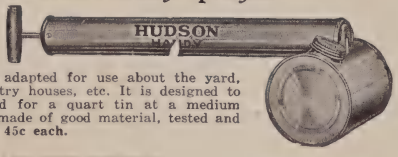
No. 34S—Is a high pressure portable outfit. Maintains working pressure of 200 pounds. Has capacity for two leads of hose. A handy outfit for the orchard, vineyard or truck garden. Practical for parks, golf clubs, private estate.

Tank is heavy galvanized or copper sheet. Reinforced at top and bottom with channel iron hoops. Fitted with malleable trunions for attaching to frame. Capacity, 18 gallons. Wheel is 18 inches in diameter, 2½-inch tires. Discharge equipment, 6-foot ⅜-inch high pressure hose, a 4-foot ¼-inch iron pipe extension—total, 10 feet. Angle Ideal brass spray nozzle and Automatic shut-off. **Price, each, $19.50.**

Hudson Glass Jar Sprayer

Container glass. Large diameter base prevents tipping. Large opening makes easy filling, emptying and filling. Curved syphon tube permits use in almost vertical position even when nearly empty. **Price, each, 25c.**

Hudson Handy Sprayer



The Handy is adapted for use about the yard, garden and poultry houses, etc. It is designed to meet the demand for a quart tin at a medium price. Carefully made of good material, tested and inspected. **Price, 45c each.**

SURE, FAST PEST CONTROL WITH THE

Universal Insect-O-Gun

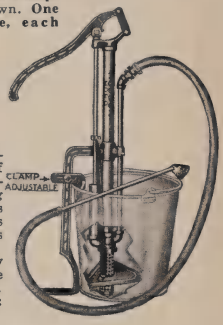
The original Insect-O-Gun and the simplest type model. All you do is pull the trigger and let your water pressure do the work. No adjustment—the Universal Insect-O-Gun sprays up for complete underleaf coverage where most bugs are. Three-year factory guarantee, assuring 100 per cent satisfactory service. **Universal Insect-O-Gun, price each, $4.95.**

Hudson Barrel Spray Pump

Handles whitewash, cold water paints, caustic mixtures, agricultural insecticides, etc. Pump cylinder seamless brass tubing, 1¾x7 inches. Air chamber high carbon steel, 2x27 inches, light, strong and sturdy. Tubular brass intake strainer provides area 15 times that of ordinary type. Dasher agitator cleans it at each stroke, absolutely preventing clogging. Entire valve assembly, including intake strainer, accessible from outside of pump without dismantling. Fitted with 6-foot discharge hose, 4-foot iron extension rod and brass angle spray nozzle. Weight 33 pounds.

No. 4SA. Barrel Pump. Complete as shown. **One in crate, price, each $11.50.**

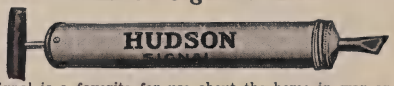
Hudson Moro Sprayer



The No. 126 SA Moro Sprayer is outstanding in the efficient application of white wash, cement paints, agricultural insecticides, and similar sediment bearing solutions. The non-clogging tubular brass strainer provides strainer area fifteen times as great as usual types. All working parts are brass.

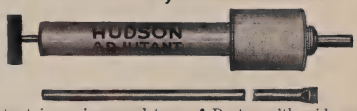
Discharge equipment: 3ft. of ⅜-in. spray hose, a 2-ft. brass extension and fog nozzle fitted with discs for spray or solid stream. Easily mounted in barrel or tank. **Price: Each, $6.40.**

Hudson Signal Duster



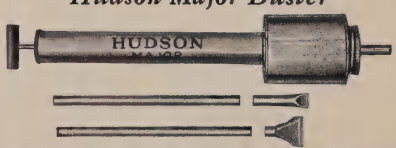
The Signal is a favorite for use about the home in war on roaches, ants and water bugs. Handles all insecticides in powder form very efficiently. **Price, each 35c.**

Hudson Adjutant Duster



The Adjutant is an improved type of Duster with wide range of usefulness. Compact enough for use in stores, offices, etc. Ample power and capacity for garden and field, in poultry house, etc. **Price, each, 60c.**

Hudson Major Duster



An efficient and powerful duster for all dry powder insecticides. Handles Paris Green, Arsenate of Lead, Cyanogas dust and similar poisons; powder reservoir 2¾x5 inches. Pump is 9 inches long. Special construction prevents clogging and keeps dust from backing up into pump compartment. Equipped as shown. **Price, 90c each.**

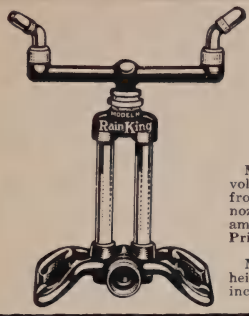
Pump-A-Sprayer

A handy all-purpose spray gun for the home and garden. Gently sprays small plants because it atomizes the liquid fine as fog if you wish. Sprays up and under the leaves. Quart capacity, easily convertible to ½-gallon size by using larger Mason jar. 24-inch hose. **Price, each, $2.65, postpaid.**

Stick Pin Sprinklers

Fastens on end of hose. Throws uniform spray in semi-circle. Capacity, 6½ gallons per minute. **Price each, 10c.**

Two Handy Lawn Sprinklers



Rain King Sprinklers

"The Best Sprinkler Made"

Model D—For circles up to 50 feet, revolving or stationary. Spray adjustable from heavy shower to floating mist. Brass nozzles, upright arms mounted on red enamel base. Height 9 inches, base 7¼ inches. **Price, each $2.85.**

Model H—Same as Model D, except the height is 11¼ inches, nozzle to nozzle 9¼ inches. **Price, each, $4.50.**

Ross Hand Sprinklers

No. 10—This disbursement is in a soft, fan-like spray which will not injure the most delicate plant. It does not wash the soil into furrows, consequently is desirable for sprinkling new lawns and flower beds. Threaded for ¾-inch hose. Capacity 13 gallons per minute at 40 lbs. pressure. **Price, each 75c.**

Foods and Remedies for Poultry and Cattle

Iodine Vermicide For Intestinal Worms of Poultry

Various species of intestinal worms are present on most poultry farms. Worm infested poultry do not develop as rapidly as they should and the pullets cannot produce eggs as economically as those free of parasites.

No anthelmintic exists which will accomplish the proper results when mixed with feed for flock treatment. Individual dosing is therefore required. It is absolutely necessary for the Iodine Vermicide to be administered directly into the gizzard, which is easily accomplished when using the one-man method of dosing with our improved dosing appliances.

Do not fast the birds prior to dosing as this is not necessary. Grain in the crop makes dosing easier although the crop should not be too full.

COST. It only costs 3 cents a dose for mature pullets and half as much for younger birds. The subsequent egg production and saving in feed indicate the relative cheapness of Iodine Vermicide as against other vermicides used for this purpose regardless of price. A 1-lb. bottle of Iodine Vermicide properly diluted will dose 125 chickens, 2 lbs., or over, or twice as many young chicks.

Iodine Vermicide has many advantages not possessed by other products.

½-lb. bottles, $1.80 each; 1-lb. bottles, $3.25 each.

Chic-Tone Inhalant

Baby chicks are reared, broilers are fattened, pullets are matured and flocks are kept in crowded conditions today! Colds and bronchitis are highly contagious. Remember that our INHALANT was originally developed for feeding station use. Here birds are crowded together deck upon deck. Colds and bronchitis—once caught—spread like wildfire. Our INHALANT controls this condition and packers continue to be among our best customers.

Literally thousands of sick birds taken from laying batteries, from exhibition coops, from confinement in poultry houses—wheezing and gasping noisily—considered hopeless cases by their owners, are being quickly restored by the Chic-Tone method.

Pints, 60c; quarts, $1.00; gallons, $3.50.

Walko Remedy

Don't wait until White Diarrhea has taken half of your hatch. Prevent it. There is no place where the old adage, "A stitch in time saves nine," applies as well in getting ahead of disease. There is scarcely a hatch without some infected chicks. Don't let these few infect your entire hatch. Give WALKO in all drinking water for the first two weeks and you won't lose one chick where you have lost dozens.

Regular size, 50c; extra large pkg., $1.00. The dollar pkg. contains 2½ times as much as the 50c package.

Gold Leaf Tobacco Powder

Controls round worms in poultry. Contains not less than 1% nicotine, and requires 2 lbs. Gold Leaf Tobacco Powder to 100 lbs. of Laying Mash. **2-lb. pkg., 25c; 10-lb. pkg., 90c.**

C.A Worm Capsules

A Parke Davis Product

One treatment kills both large roundworms and tapeworms in chickens and turkeys. Individual treatment is recommended by practically all poultry authorities. C-A Worm Capsules are so easy to give that 200 or more birds can be treated in an hour. Parke Davis booklet on Poultry Worms mailed on request. Capsules are packed 50 in a package.

No. 195—For young birds ..... Per pkg. **$ .90**

No. 196—For adult birds ..... Per pkg. **1.25**

Don Sung

Don Sung (Chinese for egg laying) is a scientific tonic which improves the hen's health, makes her stronger and more active and tones up the egg-laying organs.

Don Sung is easily given in feed, and costs nothing to try. It is used by thousands of successful poultry raisers the world over.

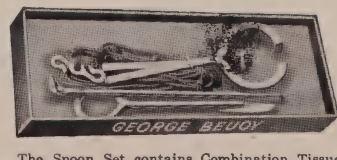
Regular size, 50c; large size, $1.00; holds 3 times the 50c size. Special size, $5.00; holds 6 times the $1.00 size.

Lee's Pickpaste for Cannibalism

It is greasless and adheres to wounds. It is antiseptic and protects the wounds from dirt. **Prices: 6-oz. pkg., 60c; 2-oz. tubes, 25c.**

Caponizing Sets

CAPONIZING SETS. Poultrymen can double their profits by caponizing. The operation is very simple, and the instructions are so full and explicit that any man, woman, or child, after careful reading, will be able to perform the operation. It is highly successful from every point of view. The object in caponizing is to greatly increase the weight of the fowls, causing them in many cases to grow as large as turkeys, and weigh from 10 to 15 pounds, and the meat is of fine flavor, sweet, juicy, and tender.



The Spoon Set contains Combination Tissue Hook, Probe and Gland Remover, made of compressed aluminum. Each combination used at one time in order named without necessity of three different instruments. **Price, $3.00.**

Nema Worm Capsules

Destroy Nine Kinds of Parasitic Worms Commonly Found in Sheep—Circular on Request

No. 190 5CC (80 min.)—For adult sheep, goats, large hogs. **Pkg. of 12 for 75c; pkg. of 50 for $1.40.**

No. 189 2.5CC (40 min.)—For lambs and kids, small hogs. **Pkg. of 12 for 50c; pkg. of 50 for $1.20.**

Lee's Germozone

Marvelous for Poultry

The regular use in the drinking water every other day is a big factor in preventing disease among poultry. **12-oz. bottle, 75c; 32-oz. bottle, $1.50.**

Lee's Flu-Koff Emulsion

12-oz. bottle, $1.00

Lee's 64-page Book on Poultry Diseases mailed on request.

Lee's Vapo-Spray

Treat the Whole Flock

Simply spray in the air of the henhouse at night. All the birds breathe the vapor of its healing oils. **Quart, 75c; ½ gal., $1.25.**

Lee's Lice Liquid

A Double-Barrel Killer—Destroys Lice and Mites

The fumes rising from this preparation kill the body lice. For mites, Lee's Lice Killer should be sprayed into all cracks, crevices, joints of walls, roosting places and nest boxes. **Quart cans, 60c; gallons, $1.50, f. o. b. cars.**

Pinjectol for Pin Worms and Blackheads

The pen worm is recognized as a serious thing in the spread of Blackhead. For this reason all poults and turkeys should be wormed once a year with Pinjectol. Get our free folder, Pin Worms and Blackhead in Chickens and Turkeys. **12-oz. bottle, 75c.**

Sodium Flouride For Chicken Lice

United States Government recommends new chemical. Destroys even young lice as they hatch.

Poultry raisers need guess no longer as to the best method of getting rid of poultry lice. After many tests, the U. S. Department of Agriculture has found Sodium Flouride superior to any other preparation for this purpose. They say it kills both old and young lice, including unhatched lice present at the time of treatment. Full directions are on every can of S. F. for use in three ways, either by dip, dusting, or pinch methods. **Prices: ½-lb. can, 25c; 1-lb. can, 45c; 10 lbs., $4.00, postage extra.**

Egg Cartons

Pasteboard holds 1 dozen. **$1.00 per 100; $9.00 per 1,000.**

Foods and Remedies—for Poultry and Cattle

THE SENSATIONAL NEW HIGH CALCIUM FEEDING SUPPLEMENT

The dairy cow is the hardiest animal on the farm. At one and the same time she is expected to produce from 15 to 50 pounds or more of milk daily, develop a calf that will be born alive, strong and thrifty, and maintain her own health and vigor so she can carry on these tasks year after year with little or no rest.

To do all these profitably, the dairy cow must have an adequate and constant supply of certain necessary substances. And one of the most important of these substances is calcium. calcium is lacking in practically all feeds.

Cal-Carbo is 98.99% pure calcium carbonate plus other vital minerals, and because of its flour fineness, Cal-Carbo dissolves instantly and digests easily with no waste.

Cal-Carbo is required in all livestock rations.

Cal-Carbo

CAL-CARBO—Price per 100 lbs., 80c. If interested in quantities ask for special prices.

Beef Cattle

The high feeding value of Cal-Carbo in beef cattle rations is shown in the three-year tests conducted at the Kansas Experiment Station. At a cost of only 18 cents per head, profits were increased as much as $7.69 per head on beef calves when small amounts of Cal-Carbo were added to the prairie hay ration. This was even a bigger profit than was returned on a similar lot fed alfalfa. Tests conducted at the Oklahoma and Nebraska Experiment Stations confirmed these remarkable results.

Silage alone, when supplemented with Cal-Carbo, is a satisfactory roughage for cattle on which profitable gains can be made.

Swine

Hog raisers can increase average daily gain over 50%, and the amount of feed required per 100 lbs. gain can be reduced nearly a hundred pounds, when Cal-Carbo is added to the ration of fattening hogs on dry lot.

Cal-Carbo fed to brood sows insures more pigs to the litter, stronger and more vigorous litters, and a greater number reaching weaning time with good weight and ability to make rapid gains.

Iodized Calcium Carbonate

With Manganiose

Iodized Calcium Carbonate is manufactured by a wet process by which every calcium particle is thoroughly coated with Iodine held in place by chemical-physical combination.

The inclusion of traces of Iodine in livestock feeds increases their digestibility, thus enabling cattle, hogs and sheep to make more milk, meat and wool, and hens to produce more eggs and better eggs, harder shells and high hatchability. **Price per 100 lbs., $1.10.** Ask for quantity prices.

Stonemo Granite Poultry Grit

"Scarce as hens' teeth" is an old saying. You have often heard this old adage, but did you ever stop to think how true it really is THAT HENS NEED TEETH? It's true—nature did not put teeth in the chicken's bill, but nature did provide for the grinding of food—with grit—in the gizzard. Without hard, insoluble granite grit in the gizzard the hen cannot grind, or chew, its food any better than a toothless person.

There is a great difference in the various chicken grit. The best poultry grit must be hard as flint, rough, so as to grind, or chew, all food consumed. The food as it passes through the gizzard must be ground finely, to be digestible—ground very much like corn grain is ground between flinty stones to make cornmeal. A lack of hard, insoluble grit in your flock will induce feather pulling, cannibalism, litter eating, indigestion, improper use of feed; consequently light weight and poor production.

We carry this in three sizes, Chick, Pullet and Hen. **25-lb. bags, 35c; 50-lb. bags, 60c; 100 lbs., $1.00, f.o.b. Tulsa.**

STEAMED BONE MEAL—For livestock feeding. 65% Bone Phosphate of Lime. **Lb., 5c; 25 lbs., $1.00; 100 lbs., $3.65.**

PILOT BRAND OYSTER SHELL—Chemical analysis, together with the reports from experienced poultry men, show that ordinary grain and green food supplied to the laying hens do not contain enough lime for egg shells. Crushed oyster shells will supply this lime, if kept continually before the fowls, trusting hem to eat the amount necessary. **50 lbs., 55c; 00 lbs., 85c.**

PERFECTION BRAND CHARCOAL—Specially prepared for poultry. **Lb., 5c; 25 lbs., 5c; 50 lbs., $1.25.**

October 29, 1941

Binding-Stevens Seed Co.,
Tulsa, Oklahoma.
Gentlemen:

I want to speak a good word for your PERFECTION EGG MASH with Dried-Greens Milk and Fortified D Oil.

I have sixty hens and had been getting three to five eggs per day and long in June I started feeding your PERFECTION EGG MASH with Dried-Greens Milk and Fortified D Oil and am now getting forty-three eggs per day.

In as much as it is so unusual for egg production to increase in the summer months, this shows that your feed produce results.

Yours truly,
(Signed) C. S. Oliver,
Route 11,
Tulsa, Oklahoma.

Since using Perfection Egg Mash with Green-Melk laying mash we have had the best hatches of White Wyandotte eggs at the hatchery. The hatchery has asked for all of our eggs next year.
Mr. and Mrs. Virgil M. Stine.

Carbolineum

Used for Three Distinct Purposes

1. Preserves wood everywhere against rot and decay and adds at least 100% to the life of fence posts, poles, sills, floors, bridge timbers, porches, wood imbedded in concrete, etc. On account of its nice brown color it is also a suitable wood preserving strain for shingle roofs, bungalows, cottages, farm buildings, silos, ice houses, boat houses, garages, poultry houses and hog pens.

2. Kills Chicken Mites in poultry houses. Apply once a year. GUARANTEE—We guarantee that one thorough application of Avernarius Carbolineum either by brush or sprayer to the interior walls, dropping boards, roosts, etc., to such buildings, after a previous cleaning and no matter whether they are of wood, tar paper, or plaster, will exterminate mites in the same FOR A WHOLE YEAR.

3. Avernarius Carbolineum assures positive protection for wood against the ravages of Termites, White Ants, and all other destructive vermin. Avernarius Carbolineum spreads quickly and effectively. A little goes a long way. It is not costly and a very small investment will give you assurance that your dwelling, barns and other buildings and fences, etc., are safe from destruction. **1-gal. cans, $1.50; 5-gal. can, $6.25.**

Ask for quantity prices.

Hardwood Lump Charcoal

For filtering, and for burning in steak grills. **Lb.. 5c; 25 lbs. for 75c; 50 lbs. for $1.25.**

EPSOM SALTS—Lb., 10c; 10 lbs., 60c; 100 lbs.. $4.50.

TOBACCO DUST—Lb., 10c; 25 lbs., $1.25; 100 lbs., $4.00.

PERMANGANATE OF POTASH—¼ lb., 50c.

DRIED BUTTERMILK—Lb., 10c; 25 lbs., $2.40; 100 lbs., $9.00.

COMMERCIAL SULPHUR—Lb., 10c; 25-lb. lots. $1.50; 50 lbs.. $2.00.

HYDRATED LIME—40-lb. sack, 45c.

MINERAL GRIT FOR PIGEONS—Lb., 4c; 100 lbs., $1.90.

TOBACCO STEMS FOR PIGEON NESTS—5c per lb.

MIXED PIGEON FEED—Ask for prices.

PURE COD-LIVER OIL—$1.75 per gallon.

Perfection Mineral Mixture

FOR CATTLE

Composed of Steamed Bone Meal, Iodized Calcium Carbonate, Iron Oxide, Manganese Sulphate and Salt.

Mix two pounds per 100 lbs. of feed, or place in a container so that it is available at all times. When fed in containers it is necessary to supply common salt separately in order that animals will not consume more of the mineral mixture than is needed. **Per 100 lbs., $2.50.**

Perfection Brand Poultry Feeds

All of our Perfection Brand Mashes are now made with Dried Greens-Buttermilk and Fortified D. Oil. Spring Range Grasses for Year 'Round Feeding.

HOW DRIED GREENS-BUTTERMILK IS MADE

By raising grasses (and grass is nature's most perfect food for fowl and animals) in soils of just exactly the right composition. The makers of **Dried Greens-Buttermilk,** working on this principle, are supplying **just exactly such grasses,** which are available to you the year around in this product. These grasses, moreover, are supplied at just exactly the **right age** at which they have the greatest effectiveness for **health**—a secret developed by the manufacturer's own research.

Dried Greens-Buttermilk is nature's solution of higher egg production, hatchability, lower mortality and increased weight in market stock. It is rich in Carotene (pro-Vitamin A), Xanthrophyll and Chlorophyll, Vitamins B-1, G, E, G (ribo-glavin), B-4, B-6, Summer Milk Factor, Gizzard Factor and other Plus factors not yet identified.

Fortified Oil has a minimum of 400 chick Units Vitamin D and 3,000 Units Vitamin A per gram.

For best results feed vitamins in their natural form with the young green cereal grasses, greens, milk.

Perfection Brand Chick Starter.
Perfection Brand Growing Mash.
Perfection Brand Turkey Starter.
Perfection Brand Broiler Mash.
Perfection Brand Egg Mash.
Perfection Brand Calf Meal.
Good feeds at reasonable prices.

Ask for the lowest price when in the market for any of our poultry feeds.

Binding and Stevens. Tulsa, Okla., July 15, 1939.

Dear Sirs: In checking up on my pullets, which are Rhode Island Reds, hatched February 7, and on this date laid their first eggs. Pullets averaging 4½ pounds each. Were started and fed on your New Perfection Feed with Green-Milk. I think this is a record worthy of praise for your feed, as I don't think it could be better even with higher priced feeds that are on the market. Must say I am very much pleased.

Wishing you success in your future products, I am,

H. BLAIR.

Perfection Brand Poultry Supplies

Just Paint it on the Roosts!

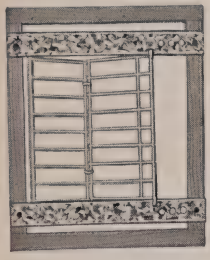
—Before the chickens perch. Only a small paint brush and a can of "Black Leaf 40" are needed. While chickens roost, fumes are slowly released and penetrate the feathers; killing lice. Eliminates individual handling of birds. Ask your dealer or write us.

Tobacco By-Products & Chemical Corp., Inc., Louisville, Ky.

"Black Leaf 40"
Kills Poultry Lice

1-oz. Bottles	$ .35
5-oz. Bottles	1.00
1-lb. Bottles	2.25
2-lb. Tins	3.25
5-lb. Tins	5.85
10-lb. Tins	10.60

Reliable Trap Nest Front



Made from galvanized wire, electrically welded. When the drop is down it permits a free circulation of air and will eliminate much loss through hens dying of heat on the nest. It is positive and free in action, almost noiseless.

Each, 30c; per dozen, $3.00

Hudson Chick and Broiler Founts

Double Wall Type

They are inexpensive but practical. Outer jacket locks at bottom to inner tank. High dome anti-roost top. Heavy curled-edge pan is wade-proof. All brass, self-closing valve holds water in tank when jacket is removed.

K2 Fountain—2-gallon capacity for 75 chicks. **Each, $1.45.**

K3 Fountain—3 gallon capacity for 100 chicks or 75 broilers. **Each, $1.80.**

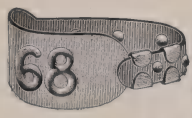
K5 Fountain—5 gallon capacity for 90 hens. **Each, $2.50.**

Automatic Float Valve

Fresh Water All the Time

A perfect automatic valve and float for regulating flow of water to drinking fan. Positive in action. Float may be raised up while pan is removed for cleaning. Valve threaded for both ⅛-inch and ¼-inch pipe and can be attached to any water pipe, bowl or tank. Will operate on pressure up to 50 pounds. Capacity about 2¾ quarts per minute. **Price, each, 90c.**

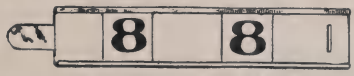
Leg Bands



CHAMPION LEG BANDS—The oldest and most popular band on the market. The band is made in one piece in two sizes, adjustable to fit any fowl. They will stay where you put them. Held by double lock, it is impossible for them to lose off. Made of best quality aluminum. **Price, postpaid: 12 for 15c, 25 for 25c, 50 for 40c, 100 for 75c.**

ASSORTED COLORED CELLULOID LEG BANDS—Dozen, 15c; 50 for 50c; 100 for 70c.

BANDETTES—The best colored Celluloid Leg Bands. Spring clip pattern. Neat and jointless appearance. Double numbers easy to read. **25c per dozen; $1.50 per 100. Packed in boxes. State what Packed in boxes. State what size wanted when ordering.**



DOUBLE NUMBER PIGEON BANDS—Same style as Economy Double Number. **Dozen, 25c; 100, $1.50, postpaid.**

Hudson Ezy Fill Chick Fountain

Hudson Handy Fill Chick Fountain

Made of heavy galvanized iron. Top has two-way swinging bail for carrying when filled. One-piece drinking pan has smooth rolled edges. Easy to fill—easy to clean.

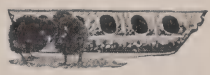
Two-Gallon Size, each	**$1.10**
Three-Gallon Size, each	**1.40**
Five-Gallon Size, each	**1.70**

Servall Poultry Litter

A farm product made from sugar cane. Dustless—Odorless—Absorbent—Sanitary—Bright——No Dusty Eggs and Fixtures—Keeps Eggs Clean and Salable—Light Color Improves Illumination—Never Any Bare Spots—Does Not Mat or Pile Up. Booklet on request. **100 lb. bale, $2.10 each.**

Day-Old Chicks

U. S. Approved
Pullorum Tested



We are prepared to furnish choice stocks of live and growing Chicks from the Best Hatchery. Prices gladly quoted on request.

Money-Back Poultry Punch

This illustration is two-thirds size of punch.

The only guaranteed chick marker on the market. It hangs handily when marking the chicks so that the operator can readily see what he is doing. **Price, postpaid, 40c.**

PETTY'S PERFECT POULTRY PUNCH—All steel nickel plated. Punches clean hole; right size, will not bruise foot. **Price, 25c, postpaid.**

Glass Pan Fountain

For Mason Jars

Drinking pan heavy molded glass with smooth edge. Mason Jar screws into metal clip and is held firmly in position when clip snaps over outer edge of pan. Jar and clip quickly detached from pan. Ideal for feeding medicated water or buttermilk to chicks. They can't get into the pan and drown. Jar not furnished.

No. B25—Each, 10c; 1 doz., $1.10.

Mason Jar Fount

Very substantial pan with heavy rolled edge. We do not furnish the glass jars. **Each, 10c; postpaid, 15c; dozen, 90c; dozen, postpaid, $1.10.**

Tulsa, Oklahoma, October 29, 1941

Binding-Stevens Seed Company,
Tulsa, Oklahoma.

Gentlemen:

Your Perfection Brand Feeds have produced such wonderful results during the several years that I have been feeding them, I wish to take this opportunity to add my approval and appreciation to that of your many satisfied customers.

My chicks are started on your Perfection Starter, grown with your Perfection Growing Mash, and after maturity are always fed your Perfection Laying Mash.

Also, I have raised my turkeys on your Perfection Turkey Feed with excellent results.

Sincerely yours,
(Signed) E. V. Johnson,
Route No. 1, Tulsa, Oklahoma.

Tulsa, Oklahoma, October 29, 1941

Binding-Stevens Seed Company,
Tulsa, Oklahoma.

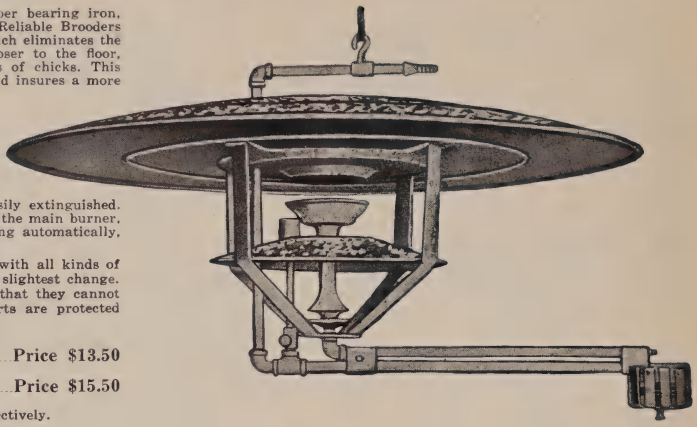
Gentlemen:

I wish to advise you of the results obtained by using your PERFECTION CHICK STARTER *with Dried Greens Milk and Fortified D Oil.*

I fed this to three hundred day-old chicks and after seven weeks sold over one hundred broilers averaging a little over two pounds each. The following week sold the balance and they all averaged over two pounds each. Had a loss of nine chicks, three of those being crushed to death.

Yours very truly,
(Signed) L. A. Taylor,
R. R. No. 3, Tulsa, Oklahoma.

The Reliable Gas Brooder



Constructed of the best quality galvanized copper bearing iron, reinforced around the edge with heavy wire. The Reliable Brooders are equipped with baffle plate below the burner, which eliminates the fire hazard, and permits hanging the brooder closer to the floor, throwing the heat further out and over the backs of chicks. This new safety feature means a great saving in fuel and insures a more uniform heat for the chicks. The brooder is also equipped with suspension brackets which permit the easy removal of the burner for cleaning.

New type burners with hot point flame furnish ample heat. This type insures perfect combustion before the flame comes in contact with the steel plate. The separate pilot light burns constantly with a clear blue flame, and is not easily extinguished. During the heat of the day the thermostat shuts off the main burner, and when temperature lowers, the gas starts flowing automatically, and is ignited by the pilot.

The Reliable Gas Thermostat is equally efficient with all kinds of gas. The double wafer is extremely sensitive to the slightest change. The valve and seat are made of brass, so shaped that they cannot stick and will wear indefinitely. The working parts are protected from damage by a metal cage.

No. 500—36-Inch. Capacity 500 Chicks.....Price $13.50

No. 700—48 Inch. Capacity 850 Chicks.....Price $15.50

Shipping weight 23 lbs. and 30 lbs. respectively.

Hudson No. 6E Drawer Brooder

Overall measurement: Drawer size, 20½x23 in.; inside head room, 6½ in.; width, 26½ in.; length, 24 in. Each drawer has a 3-foot extension cord with rubber plug (bulb not furnished). The floor of each drawer is framed hardware cloth, ½-inch mesh. The feed trough is in front, the water trough at left rear. Both easily removed for cleaning. Capacity, 50 chicks. **Price, each, $2.95.**

No. 81 Hudson Electric Drawer Brooder

Takes Care of 100 Day-Old Chicks

The No. 81 Brooder is a complete brood unit in itself, designed to raise chicks up to 7 or 8 weeks. Best results and lowest operating costs are obtained if used in room with temperature of 70 degrees or higher. Drawer size, 23x35 in.; inside head room, 9½ in. Overall measurements: length, 40 in.; width, 32 in.; height, 11¼ in. Furnished complete with 6-foot rubber covered cord and unbreakable plug, red pilot and attraction light bulb. Three troughs are furnished, one soldered for water. The floor is made of ½-inch mesh framed wire, tinned after framing. Wire grill door. **Price, each, $11.50**

Hudson Thermostat Wafers

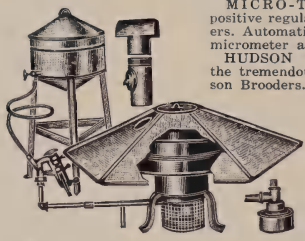
A compound, solid post wafer that responds instantly to temperature variations. Absolutely accurate and dependable. Fits all standard makes of brooders, both coal and oil type.

No. 33—Size 3 inches, for coal brooders.....40c each

No. 33—For oil brooders.....40c each

Hudson Oil Burning Brooders

Safety—Efficiency—Dependability—Durability—Convenience at Low Cost with "MICRO-TEM" Valve and Silent Burner



MICRO-TEM VALVE is an improved, positive regulator used on all Hudson Brooders. Automatic temperature regulation with micrometer accuracy.

HUDSON SILENT BURNER furnishes the tremendous heating power of the Hudson Brooders. Cast from special allow grey steel for longest life. It burns kerosene or cheap distillate with equal efficiency and extracts maximum heat units from every drop of fuel.

The brooding area of Hudson Brooders is approximately 18 inches larger than the hover diameter. They provide abundant, uniform heat, carefree control and fume free air in any weather.

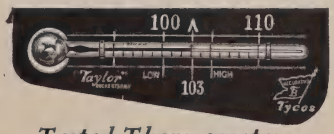
No. 542—Hover 42 inches over-all. Capacity 300 to 400 chicks. Recommended for houses not over 10x12 feet. **Each, $11.50. TS3 Stands for Oil Tank, $1.50 each.**

No. 149—Hover 48 inches over-all. Capacity 400 to 600 Chicks. Recommended for houses not over 12x14 feet. **Each, $14.50. Stands, $1.50 each.**

No. 256—Hover 54 inches over-all. Capacity 600 to 1000 chicks. Recommended for houses not over 14x16 feet. **Each, $17.50. Stands for Oil Tank, $1.50 each.**

Reliable Gas Thermostat

This gas Thermostat is simple to install on your brooder, and easy to operate. It is equally efficient with all kinds of gas. The double wafer is extremely sensitive to slightest temperature change, and is thoroughly tested before it leaves the factory to insure reliability at any brooding temperature. No rubber or composition in the construction of this Thermostat. The valve and seat are made of brass, so shaped that they cannot stick, and will wear indefinitely. The working parts are protected from damage by a metal cage. **Price, each, $4.75.**



Tested Thermometers

The best incubator or brooder is useless unless the thermometer used therein is accurate. Hundreds of hatches in incubators fail because of inferior thermometers. A large number of chickens are killed in brooders owing to defective or worthless thermometers. The thermometers listed herein are manufactured especially for us, and are thoroughly tested and seasoned before they are shipped.

Incubator Thermometer

Engraved tube, every fifth line and figure stamped on the scale. Each one accompanied by maker's certificate of accuracy. **Each, $1.00.**

Incubator Thermometers, 80c each; postpaid, 90c.

Brooder Thermometers, 65c each; postpaid, 75c.

Peat Poultry Litter

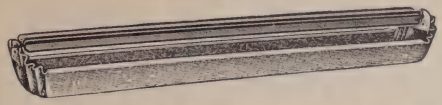
Vacuum Cleaned

Saves Time, Labor, Money

It is a natural absorbent, capable of taking up and holding four or five times as much moisture as straw, shavings or sawdust, and therefore acts as an insulator and humidity control. It prevents spread of disease not only because it keeps the house dry and clean, but because it is sanitary—free from bacterial and parasitic life. It absorbs offensive odors and helps keep down the ammonia fumes in the droppings. It is harmless to birds if eaten by them. It provides a resilient cushion over the floor so that birds will not develop bumble foot.

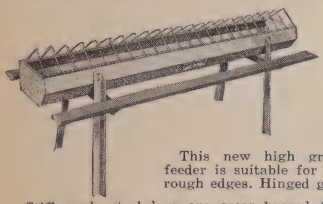
It reduces fire hazard. It requires no breaking up, is easy to spread, and may be left in the poultry house for several months. Peat Moss is one of the best humus or mulch products known to horticulture, and with addition of poultry droppings it becomes a fertilizer of the finest type. **Per bale of 11 bushels, $2.15 each; per bale of 22 bushels, $3.60 each.** Ask for prices on larger lots.

Hudson's "Leads-All" Chick Feeders



The "Leads-All" is not the conventional type of small low priced feeder. Troughs, 1⅝-inch depth, 2⅝-inch bottom width and 4-inch top width. Every trough with feed saving lip curved for chick safety and feed economy. 4-blade reel. Reels spin freely, prevent caught or injured chick toes, and are suited for feeding even to broiler size.

R224—24-inch length ..... 35c each $4.25 dozen
R236—36-inch length ..... 45c each 4.25 dozen



Hudson Flock Feeders

This new high grade substantial inexpensive feeder is suitable for growing birds and hens. No rough edges. Hinged grill is extra convenience.

Stiff angle steel legs are cross braced to give unusually rigid construction.

	Price Each
No. 24 S—4 foot 9/10 bu. size, serves 50 hens	$2.50
No. 25 S—5 foot 1⅛ bu. size, serves 60 hens	3.10

Hudson Chick Feeders

With Balanced "S" Type Reel

A strong, well built feeder for small flocks. Full 1⅝-inch depth, 2⅝-inch bottom width, 4-inch top width, with feed saving lip curved for chick safety and feed economy. Reel spins freely, prevents caught or injured chick toes.

No. 101—10-inch length ..... 15c each $1.50 dozen
No. 105—15-inch length ..... 20c each 2.00 dozen

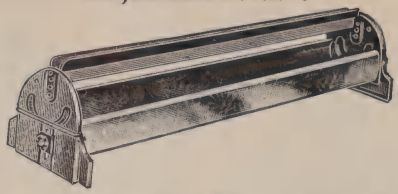
Cel-O-Glass

Now With a Five-Year Guarantee

The real glass substitute for poultry houses, chicken coops, brooder coops for windows, greenhouses, hot beds, cold frames. Is hail-proof, snow-proof, wind-proof, practically indestructible. Easy to put on; no putty or costly sash bars—just tack in place from rolls three feet wide and any length to 100 feet. Made from the best grade screen wire and holes are filled with a preparation that resists rain, hail, snow or wind.

We have this in two sizes, 36 inches wide and 28 inches wide at **13½c per square foot.** If ordered in rolls of 25 running feet the price is **13c per square foot. F. O. B. Tulsa or Muskogee, Oklahoma.**

Adjustable Feeders



New Sanitary Round Trough with new 4-blade all metal reel adjustable to 4 positions. A unique feeder with rigid stands, adjustable quickly with one wing nut, and free spinning 4-blade. 4 position reel easily adjusted as the chicks grow.

No. 436—36-inch length ..... each 80c
No. 448—48-inch length ..... each 95c

Hudson Broiler and Poult Feeders

This type of feeder will properly serve chicks from two weeks of age until they are finished broilers. Designed for easy cleaning and filling. No rough edges.

No. 730—30 inches ..... each $1.35
No. 748—48 inches ..... each 1.50

Intermediate Feeder

For broilers, full grow hens and turkey poults.

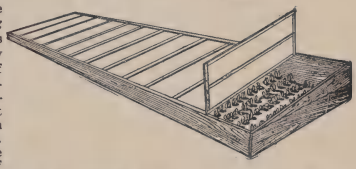
No. 948—4 ft ⅞ bu. size ..... each $1.95

Hudson's Chick Feeders

Electrically welded ends. Ideal for chicks two weeks old, broilers and poults. This new large feeder has fully adjustable metal stands and adjustable, four-blade reel. Adjustable to four positions.

No. 548—48-inch length ..... each $1.25

Vio-Ray Window Fabric



Vio-Ray is made with a new coating process which assures longer life. Is nearly 100% moisture-proof and has greater flexibility. It is weather-proof and does not rot like ordinary cloth window materials. Vio-Ray transmits the ultra-violet rays of the sun, which increase egg production, save baby chicks, and promote health and growth in animal, plant and human life. It is used for poultry houses, hog houses, cold frames, hot beds, porches, dairy barns, rabbit hutches, etc. **Price, per square yard, 30c; 25-yard roll, 36 inches wide, at 27c per square yard, postpaid.**

Hudson Flame Sprayer

The Hudson Flame Sprayer has many individual features. Burner unit produces a flat flame with wide burning area. Flames temperature is 2000 degrees F. Flames spread 12 inches. Burns kerosene or 34-42 d. gravity distillate or stove oil. Burner consumes about 1 gallon of fuel per hour. 60-pound air pressure gauge conveniently mounted on handle of burner where it is easily seen.

TANK—7¼ inches in diameter, 21 inches high; capacity, full 3¾ gallons.

HOSE—36 inches, special high pressure, resistant to kerosene and fuel oil.

No. 200W—Flamer Sprayer $14.50

See Pages 31 and 32 for Complete Line of Sprayers

"Stand-Up" Ezy-Cut Grass Shears

Eliminates stooping, kneeling and back-breaking positions. "Stand-Up" fits the hand naturally with the body in **upright** position. Cutting action same as No. 157, except is operated from top of handle by connecting rod.

No. 1575—Each $1.90

Scollay's Rubber Sprinklers

Best sprinkler for house plants, ferns and flowers. Holds 10 fluid ounces.

Each $1.10

Supply Department

Perfection Meat Cereal Dog Food

For Dogs, All Breeds, and Puppies, All Ages
THE COMPLETE FOOD

Perfection Dog Foods are scientifically made to combine the best ingredients in the proper proportion for the health of your dog. They are made to build up the vitality of a run-down dog—to develop strong and big-boned puppies—a wonderful muscle builder—and containing all the vitamins and nutritional food values to properly nourish and satisfy either the house dog or field trial champion. Perfection is made of the following ingredients: Beef Meal, Dehydrated Meat, Bone Meal, Wheat, Corn Rice and Bran, Soy Bean Flakes, Wheat Germ, Yeast, Cod Liver Oil, Powdered Milk, Kelp Meal, Barley Malt, Iodized Salt, Molasses, Charcoal and Spring and Durum Wheat Flour. Contains Vitamins A, B, C, D, E and G. Perfection Dog Food is made in two forms.

PERFECTION MEAT CEREAL is served with water, milk or gravy. **5-lb. bag, 50c; 10-lb. bag, 75c; 25-lb. bag, $1.55; 100-lb. bag, $5.70.**

PERFECTION MEAT CEREAL CUBES—Ready to serve. In feeding these cubes, it is necessary for the dog to chew them, thus stimulating salivary secretions and aiding digestion. The chewing also keeps the teeth clean and the gums in good condition. **5-lb. pkg., 55c; 10-lb. pkg., 85c; 25-lb. pkg., $1.65; 100-lb. bag, $5.85.**

FLEISCHMANN'S *Irradiated Dry* YEAST *for* DOGS

A shortage of vitamins B_1, D and G may cause digestive disorders, lack of pep, skin trouble, black tongue or other ills. Do not risk these dangers! Give your dog the protection offered by Fleischmann's New High-Vitamin Yeast for Dogs. **3½-oz. can, 25c; 8-oz. can, 50c; 1-lb. can, 85c; 5-lb. can, $3.50.**

Conkey's Y-O Dog Ration

In Tube Form
Rich in A, B, D, E, and G Vitamins

Its rich, appetizing flavors satisfy and nourish dogs regardless of breed or environment. Conkey's is rich in high quality proteins, minerals and vitamins. **1lb., 10c; 10 lbs., 85c; 100 lbs., $6.25.**

Pulvex

A Lice and Flea Powder

Some small animal owners, particularly those owning dogs, cats and poultry, prefer to dust them to get rid of lice and fleas rather than wash or dip them. In such cases we recommend Pulvex, a non-poisonous, odorless product, which is sure death to lice and fleas. **Price: 2-oz. pkg., sifter top, 50c each; 12-oz. pkg., $1.25 each.**

One-Spot Flea Powder

Pat a little ONE-SPOT into your dog's dry coat anywhere on his back once a week. This is the last word in Flea Insurance. **1 1/5-oz. pkg., 25c; 3¼-oz. pkg., 50c, postpaid.**

Dixie Dog-Dyp

Made from Pine Oil. A flea killer, skin bracer, deodorizer and cleanser. Use 50 parts water to 1 part Dixie Dog-Dyp. **Pint cans, 50c each; quart cans, 80c each; 1 gallon cans, $2.25, postage extra.**

California Gopher Trap

The most successful Gopher Trap on the market.
Price 35c each.

Bee Supplies

Dadant's Foundation. Lewis Beeware. The standard of the bee-keeping world. Catalog mailed on request.

Champion Dog Foods

Are Clean Enough for Human Consumption.... Pure Cod Liver Oil Is Used in Champion Biscuits

Champion Dog Biscuit is composed of clean, sweet meats—twenty-five per cent more than in any other dog food—and the choicest of cereals and ground grains; all perfectly blended in the proportion best suited to the needs of the dog. Being heavy with protein—the real essential basis of all dog foods—Champion Dog Biscuit is most nourishing. It is truly "The Balanced Ration" in every sense.

Champion Dog Biscuit is intended as a regular and steady diet. Being a balanced ration, it supplies food elements necessary to produce smooth, glossy coats, regular habits and general good condition. Champion Dog Biscuit builds bone and sinew, imparts strength and stamina.

Also Special Biscuits for puppies, and Kibbled Dog Food.

CHAMPION DOG FOODS

	Per lb.	25 lbs.	100 lbs.
Puppy Biscuit	$0.15	$2.55	$9.50
Puppy Meal	.15	2.55	9.50
Kibbled Dog Food	.15	2.55	9.50
Dog Biscuit	.15	2.55	9.50

Catnip Mice

Cloth mouse filled with catnip. Cats and kittens frolic and cut up all kinds of antics when given a catnip mouse. It is a necessity for every family that keeps a cat or kitten. Very important that growing kittens have catnip. **15c each; $1.95 per dozen.**

Pard

A meat food product made by Swift & Co. Ready to serve ration made especially for dogs and cats of all breeds and ages by specialists in animal nutrition. **1-lb. cans, 10c; per case, 48 cans, $4.25, f. o. b. cars, Tulsa.**

Sergeant's Dog Remedies

Have been before the public for over half a century. Dog owners can rely upon Sergeant's Remedies at all times to be safe and effective and the last word in scientific treatment of canine ills. Sergeant's Book on Dogs mailed on request.

	Postpaid
Mange Remedy	65c
Condition Pills	60c
Sure Shot Capsules. For roundworms, pinworms and hookworms	60c
Puppy Worm Capsules	60c
Tapeworm Remedy	60c
Arsenic and Iron Pills. A blood purifier. For treating blood and skin diseases	60c
Canker Wash. For treating ear canker	60c
Pepsin Tablets. For treating indigestion	60c
Eye Wash	60c
Carbolic Tar Soap	25c
Skip-Flea Powder	35c
Special Medicine	$1.25
Cod Liver Oil Capsules	60c
Liniment	60c
Mouth Wash	60c
Diuretic Pills	60c
Intestinal Astringent	60c
Laxative Capsules	60c
Nerve Sedative Medicine	60c
Skip-Flea Soap	25c
Pine Oil Disinfectant	75c

Supercedar Kennel Bedding

Keep your dog's bed free of fleas. A pleasant deodorant and natural enemy of fleas, lice, mites and moths. Supercedar Kennel Bedding is made from Tennessee Aromatic Red Cedar, the heart wood of which contains the wonderful oil of cedar. Supercedar Kennel Bedding is produced 90% or more of red heart wood, scientifically dried, and none of the valuable oil has been removed. **Price, 5-lb. bag, 50c; 25-lb. bag, $1.50; 50-lb. bag, $2.50.**

Supply Department—Continued

Time Tested Remedies For Use on Dairy Farms

Kow Kare

It has many uses on the dairy farm, its supply should never be permitted to get low. It is recommended for scouring, loss of appetite, bunches; especially favorable in cases of possible or threatened abortion. Widely recommended for barrenness, for retained afterbirth, for milk fever. There is no better medicine for cows. A handy book, "The Home Cow Doctor," mailed on application. **Kow Kare, large size pkg., $1.25; medium size, 65c.**

Poke Root Compound

For that serious disorder peculair to cows—it is favorably known to every dairyman. **Price per can, 65c; enough to treat 15 cases.**

Bag Balm

For all diseases of udders and teats, such as caked bag, sore teats, bunches, chapping, cuts or inflammed parts, you can use this remedy with perfect safety; positive results in every case. The use of Bag Balm will make decidedly easier milkers of your herd. **Price: 60c per can.**

Bag Balm Dilators

Scientifically shaped to the correct normal position of the delicate tissues of the muscles of the teat canal. Non-irritating. Fluted shaft retains correct amount of Bag Balm to promote rapid healing. **25 Dilators packed in Bag Balm for 60c.**

Meat Curing Made Easy

Morton's Sugar Curing Smoke Salt is an improved meat-curing salt—a perfect blending salt, sugar-cure and smoke. It is easy to use and cures so thoroughly that you'll never want to go back to old methods of curing and smokehouse smoking. With Morton's Smoke Salt, you salt-cure, sugar-cure and smoke the meat all at the same time. No smokehouse is needed. All the flavoring and preserving qualities of salt, sugar-cure and pure wood smoke penetrate uniformly into the meat. The rich natural juices and tasty fats are all retained. There is no chance for meat to become smoke-dried and smoke-hardened. Results are uniform. Ten pounds cures and smokes 100 pounds of meat. **10-lb. can, $1.00. Case, six 10-lb. cans, $5.00.**

Morton's Complete Meat Curing Service

MORTON'S SUGAR CURE—A triple action smoke salt. **2-lb. pkg., 25c; 10-lb. pkg., 90c.**

MORTON'S TENDERQUICK—2½-lb. pkg., 50c; 10-lb. pkg., $2.00.

MORTON'S SAUSAGE SEASONING—10-oz. pkg., enough for 30 lbs. meat, 30c.

MORTON'S MEAT CURING THERMOMETER—Each, $1.00.

MORTON'S MEAT PUMP—Each, $1.50.

MORTON'S 64-PAGE BOOK ON MEAT CURING mailed on request.

GARDEX "Soil Flow" TOOLS

No. 1553 Gardex Cultivator

With the new GARDEX patented Diamond Point Shares. Use this tool instead of the old chopping hoe for five times faster and better work. It pulls easily through the soil without using pressure. The action of the tool itself keeps it in the ground. Complete with 5 ft. normal length GARDEX handle.

3 prongs, 6 in. wide **$1.35**
No. 1563—8 in. wide **1.80**

No. 2006 Gardex Hand Plow

For opening and covering furrows, hilling vegetables, etc., making irrigating ditches. Complete with 5 ft. normal length GARDEX handle.

6 in. wide **$1.75**
No. 2008—8 in. wide **1.90**

No. 1503 Gardex Small Cultivator

Loosens and air-conditions the soil in small plots, penetrating it easily. No backaches or blisters. A favorite with every gardener. Complete with 4 ft. normal length GARDEX handle.

3 prongs, 3½ in. wide **80c**

No. 110 Gardex Pull Hoe Weeder

With Diamond Point Share. Weeds at least five times faster and easier than old chopping hoe. Penetrates any soil with easy pull, cutting all weeds in its path. You will marvel at its performance. Complete with 5 ft. normal length GARDEX handle.

With 1 Diamond Point Share—Width, 3½ in., **$1.30**; 5 in., **$1.50**; 6 in., **$1.70.**
With 2 Shares—Width, 8½ in., **$2.10.**

No. 254 Gardex Roller Rake

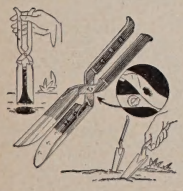
Rake covers seeded rows, roller presses down the soil to give the seed closer contact with the soil for quicker germination. Handy for rolling lawn seed into soil. Roller detachable. Complete with 5 ft. normal length GARDEX handle.

10 inches wide, 10 teeth, roller diameter
2¾ inches **$2.20**

No. 400 Gardex Turf Edger

Edges a thousand running feet an hour, cutting clean vertically and horizontally in one operation—along sidewalks, driveways, flower beds, around trees. Push along in short strokes. Complete with 4½ ft. normal length GARDEX handle.

Price **$1.30**



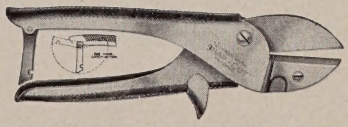
G-L Garden Gadget

The All Season 4 in 1 Garden Tool—Transplanter, Bulb Planter, Two Trowels, Depth Gauge.

This multi-purpose tool fills the need of a gardener for handy size trowel—a transplanter that does not disturb the root system of the plant—a bulb planter that makes any size or shape hole—a depth gauge for planting depths and distances.

Price 60c each

No. 119—Snap-Cut Pruner



Featuring New Bronze Anvil—Cuts ¾-inch Branches Easily

The "Snap-Cut" action has brought efficient pruning within the reach of everyone. Featured in the "Snap-Cut" construction is the super-keen V Blade, which severs the tough branches with the slightest injury to the bark. New long-lasting bronze anvil does not dull or injure the edge of the blade. All cutting parts are replaced at low cost. Length, 8 inches. **No. 119, $2.00 each.**

No. 149 Snap Cut Long Handle Pruner

The famous clean cutting "Snap-Cut" action applied to a lopping shear. Narrow cutting for close work. Lightweight, powerful and easy to use. Cuts up to 1¼-in. limbs. 20-in. handles, 25 inches overall.

Price each $3.50

No. 118—Ladies' Snap-Cut Pruner

Handsome, pocket size pruning shears for lighter work. Easily cuts ½-inch branches. Six inches long. **No. 118, each, $1.25.**

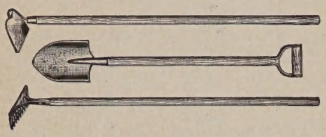
Handy Tools for Every Gardening Need

Professional Pruner No. 124 Garden Club Flower Shears

Drop Forged

Surpasses imported models of this construction. Keen, powerful, positive slicing action. Honed edges. Adjustable nut lock and bolt support. A pruner for the most experienced horticulturist. 8 inches long. **Price each $2.50.**
No. 125—9 inches long. Price each $3.00.

Wonderful help for cutting and gathering flowers. Snips and holds in one motion. Unique device grips stem as it is cut. You avoid thorns and scratches. Handy for picking flowers that are hard to reach. **Price, 50c; 2 for 95c.**



NO. 556—SHORT HANDLE GARDEN SET

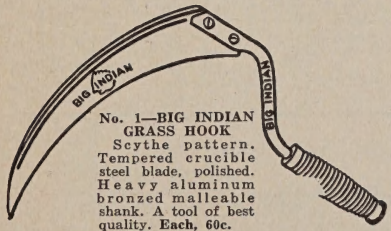
This set is a durable one of sufficient strength for adult use in the flower garden. Three pieces: Rake, Hoe and Spade. Handles colored with gloss enamel, metal parts bright cadmium non-rust finish. The handles are approximately three feet long. **Price per set of 3 pieces, 95c.**

No. T5—Transplanting Trowel ..... 15c each
No. T4—Garden Trowel ..... 15c each

No. W6—Five-prong Weeder ..... 15c each

No. 170—WEED AND HEAVY GRASS CUTTER

Crucible steel blade, 13 inches long, 2⅝ inches wide. Heavy steel channel arms, red enameled. Bolted to 31-inch hickory handle. **Each, $1.10.**

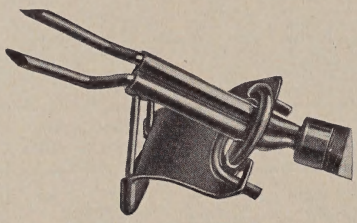


No. 1—BIG INDIAN GRASS HOOK

Scythe pattern. Tempered crucible steel blade, polished. Heavy aluminum bronzed malleable shank. A tool of best quality. **Each, 60c.**

No. 16 GRASWIP

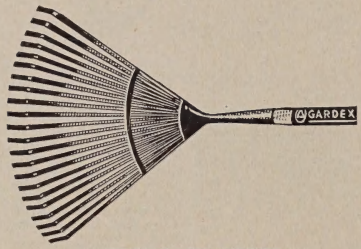
Cut your grass and weeds without stooping. Cuts both with forward and backward swing. Made of forged tool steel. Length over all, 37 inches. Blade length, 9¼ inches; width, 1⅝ inches. **Each, $1.00.**



SURE-GRIP WEED PULLER

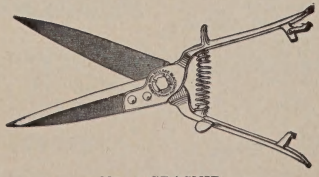
Thirty-eight inch strong fir handle. With a slight push this weeder will remove not only the weed, but the entire root.

The Sure-Grip Weeder is designed to pull small weeds without injury to the lawn. Moisten the ground thoroughly before using the Sure-Grip Weeder and you will be delighted with results. **Price, each, $1.50.**



GARDEN LAWN SWEEP

No. 403—The Garden Lawn Sweep is a distinct improvement over other lawn rakes used broom-fashion because all twenty-two fingers touch the ground when it is swept across the lawn, giving you full benefit of the entire tempered spring-steel. Well balanced and light, it is a handy helper at clean-up times from the spring of the year through fall. 18 inches wide with 42-inch handle. **Price, each, $1.00.**



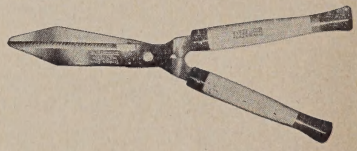
No. 1 GRASNIP

Length over all, 13 inches. Tempered, full hollow ground cutlery steel blades. Responsive, smooth and easy spring action. Weight, 1 lb. each. **Price, $1.00 each.**

Fertilizer Distributor

Long leaders in the distribution of plant food spreaders, Swift & Company now offers many greatly improved features on the Junior Model Vigoro Spreader...all at no increase in price. Smaller and larger models also available.

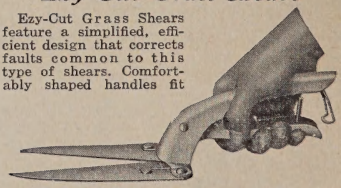
Model B—14-in., capacity 15 lbs.... **Each $ 3.25**
Junior—16-in., capacity 35 lbs..... **Each 7.45**
Standard—24-in., capacity 65 lbs. **Each 15.35**
Special—36-in., capacity 100 lbs.... **Each 22.80**



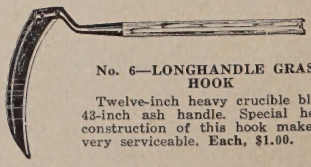
Multi-Power Hedge Shears

No. 126N-8—Special serrated edge blade. Patented compound lever provides "soft," smooth, non-jolting action. Perfectly balanced for comfort, light weight and ruggedly built for hard service. Blades of hardened tempered cutlery steel, ground to a satin-smooth, thin, keen edge. 8-inch blade. **Each, $2.50.**
No. 26N-6—Constructed same as No. 126-N except this shear does not have the serrated edge blade. 6-inch blade. **Each, $1.50.**
No. 26N-8—8-inch blade. **Each $2.00.**
No. 26N-9—9-inch blade. **Each $2.20.**

Ezy-Cut Grass Shears



Ezy-Cut Grass Shears feature a simplified, efficient design that corrects faults common to this type of shears. Comfortably shaped handles fit the hand naturally without pinching or tiring. Blades are self-tensioning and need no adjustment. May be easily taken apart for sharpening and cleaning. **No. 157 Ezy-Cut Shears, $1.20 each.**



No. 6—LONGHANDLE GRASS HOOK

Twelve-inch heavy crucible blade. 43-inch ash handle. Special heavy construction of this hook makes it very serviceable. **Each, $1.00.**

For Great Masses of Color, Plant Perfection Brand Gladioli, Dahlias and Cannas

Gladioli

Plant in the spring when all danger of frost is over. Plant bulbs four to eight inches apart in the row and from three inches deep in heavy soil, to five inches deep in lighter, sandy soil; the deeper planting will keep the plants from falling over at blooming time. Keep soil well worked; keep soil crust from forming in the rows after rains or other watering. Our bulbs are grown in Oregon, where the soil and climate are especially adapted to producing strong, healthy bulbs.

PLANT OUR OREGON GROWN GLADIOLUS BULBS, THEY ARE CLEAN AND SOUND, FREE FROM DISEASE AND SURE TO BLOOM. ALL NO. 1 BULBS—LARGE SIZE.

ALLEMANIA—Giant blood red.

AMBERGLOW—This is the deepest yellow Glad and unlike so many is a very good cut flower.

ARABELLA—Largest dark red. Somewhat darker than Moorish King and larger in flower and spike.

BIT O'HEAVEN—Is the truest orange variety and opens more flowers than any of this shade.

CAMELLIA—Is a pretty blush white with a small red throat blotch. The florets are cup shaped and well arranged on 20 bud spikes.

GATE OF HEAVEN—A wonderfully strong, pure yellow variety. Color very rich yellow and the florets, which are well spaced, are beautifully ruffled, large and of good substance.

JOHN S. BACH—This gladiolus is an exquisite very early flowering exhibition variety. Color fine orange salmon, somewhat lighter in throat. Strong grower.

KEWPIE—Is a true miniature with only one inch blooms of clear scarlet with a buff line around the petal edge. It is liked by everyone because it is so different but really attractive.

KING ARTHUR—Is a very ruffled deep lavender without any other marking.

MAX REGER—Has proven the best in a medium shade of violet blue.

MILFORD—Tall, light blue with seven or more good size blooms open. This is considered to be about the best light blue so far produced.

MOORISH KING—Color a very dark mahogany-maroon with velvet sheen. Long, strong stems carrying many florets. A splendid variety.

NEW ERA—Purest pink gold.

PICARDY—Many florets of delicate apricot pink open at one time. Winner of many prizes.

RED LORY—A beautiful shade of scarlet and a good cut flower.

RED PHIPPS—Scarlet.

STAR OF BETHLEHEM—A pure white gladiolus which, in its color class, is probably the largest and best variety in existence. Color snow white with tinge of cream on the lower petals. Long stems.

VAGABOND PRINCE—Bronze red, orange blotch.

ALL THE ABOVE VARIETIES, 90c dozen, postpaid. Ask for quantity prices.

MIXED GLADIOLUS BULBS—All No. 1 size, and a good mixture with a great range of colors. **40c per dozen, $2.75 per 100, postpaid.**

Gladioli—Picardy

Dahlia—Jersey Beauty

Perfection Brand Exceptional Dahlias

STRONG FIELD GROWN DIVISIONS

DECORATIVE—This is the large open faced type with broad, usually flat petals to which class we owe so many of our finest Dahlia flowers.

JEAN KERR—Pure white, fine cut flower. **25c each, postpaid.**

JERSEY'S BEAUTY—A perfect bloom of erosion pink, best pink Dahlia to date. **25c each, postpaid.**

SAGAMORE—A golden color, shaded toward the center with warm salmon-rose or orange buff. Good stem and keeping qualities. **Price, 25c each, postpaid.**

PRIDE OF CALIFORNIA—Red. **Each, 25c, postpaid.**

THOS. A. EDISON—Royal purple. **30c each, postpaid.**

AVALON—Deep Canary-yellow. **30c each, postpaid.**

JERSEY BEACON — Chinese Scarlet. **30c each, postpaid.**

MONMOUTH CHAMPION—Outstanding giant flower of flame scarlet, immense in size and free flowering on the best of stems. **30c**

Pompom Dahlias

Fully double flowers, ball-shaped or slightly flattened.

SNOWCLAD—Pure white.

CATHERINE—Canary yellow.

JOHNNIE—Bright red.

FASHION—Orange and buff.

BOBBY—Deep plum purple.

ROSE WILMOTH—Bright pink.

All 30c each; $3.00 doz., postpaid.

See Flower Seed Section for Other Bulbs

Perfection Brand Cannas

Our stock is first-class in every respect We handle enormous quantities of Canna Bulbs and can offer at the following attractive prices:

CITY OF PORTLAND—Salmon pink. Large flowers, height four feet. Foliage green. **Each, 10c; doz., 75c; 100, $4.50, postpaid.**

DOROTHY S.—Dwarf, large salmon red flower and a very prolific bloomer. Green foliage. Stands up under drouth conditions better than any other sort. **Per dozen, 90c, postpaid.**

KING HUMBERT—Five feet, bronze foliage. Flowers very large, five to six inches across. Flowers a glowing scarlet or orange red, often streaked with gold. **Each, 10c; doz., 65c; 100, $4.00, postpaid.**

MIXED COLORS — Each, 10c; doz., 50c; 100, $3.50, postpaid.

PRESIDENT—Four feet. One of the most popular reds. Flowers are rich, glowing scarlet of immense size. Green leaves. Strong grower. **Each, 10c; doz., 65c; 100, $4.00, postpaid.**

RICHARD WALLACE—Dainty shade of Canary yellow, about four feet tall and having bright green foliage. **Each, 10c; doz., 60c; 100, $4.00, postpaid.**

YELLOW KING HUMBERT—4½-foot. Foliage, very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. An orchid flowering sport of the well-known King Humbert. **Each, 10c; doz., 85c, postpaid.**

Canna—Yellow King Humbert

Perfection Brand Garden, Flower and Field Seeds

The Standard of Quality Since 1906

NEW GIANT - CRESTED ZINNIA

This illustration, reproduced in natural color from the actual flowers, tells the story of this marvelous new Zinnia. Blooms average from 4 to 5 inches in diameter. Charmingly bright and fresh colors. A novelty Zinnia of exceptional merit. Packet, 25c; 5 packets, $1.00, postpaid.

BINDING-STEVENS SEED CO.

GARDEN • FLOWER and FIELD SEEDS

Tulsa, Oklahoma